

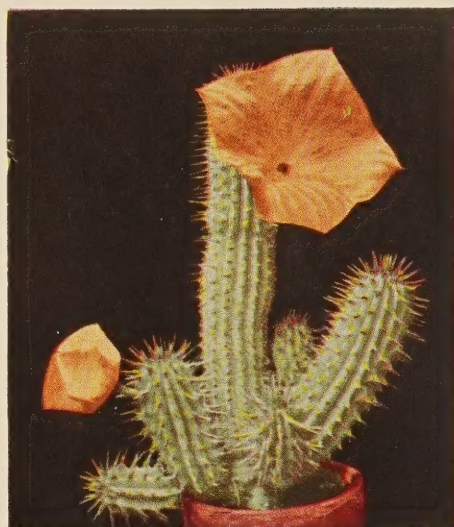
Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



RAINBOW CACTUS

A lovely free blooming dwarf cactus of the easiest culture. Flowers often much larger than the plant. Echinocereus melanocentrus is sure to flower and has a long spring and summer season. For a cactus it grows rapidly, flowering early in its second year often when barely an inch tall. Thrives in any well lighted window. Flowering size two to three years old. Each..... **35c**



HOODIA MACRANTHA

Latest News from CACTUS LAND

LIBRARY
RECEIVED
MAR 17 1953
U. S. Department of Agriculture

1953



PRICE 10C

A HANDBOOK of cactus lore for the window gardener and fancier. Cacti and succulents have long brought pleasure to the gardener whose efforts are restricted in winter to an apartment window. A nice collection may be grown on a window shelf with little trouble or skill. Our collection is the largest available in the world with over 2 million plants always on hand. For a generation we have supplied collectors and botanic gardens in every country on earth with specimens of these exotic plants. If you enjoy collecting and growing odd and beautiful plants here is a real hobby with a voluminous literature and its own monthly magazines both here and abroad.

JOHNSON CACTUS GARDENS

Paramount

California



HARDY HEDGE HOG CEREUS

These plants bear gaudy, bright rose-pink blossoms 2" to 2½" across. They flower freely several times during the summer. Plants conical, 2 inches to 4 inches tall. Grow easily in sandy soil. Moderate water. Large flowering, each..... **35c**



WHITE CHIN CACTUS

A rare and fine plant, dark green in color and bearing heavy spines. Charming pink and white blossoms in early summer. Gymnocalycium Schickendantzii grows readily in sandy soil with moderate watering. Large 2 inch to 3 inch 75c to \$1. Smaller..... **35c**



LEMON BALL

The very freest blooming and easiest to grow. Notocactus submammulosus should be in every collection. Light soil with moderate waterings increased when growing. Flowers for weeks. Mature 2"-2½" \$1.25. Smaller 50c and 35c 75c. Small..... **35c**



GLORY OF TEXAS

Gorgeous crepe-like, brilliant pink blossoms over 2½" across. Blooms from spring to fall. Flowers for everybody. Light soil with moderate watering. The cactus bicolor, flowering sizes 3" 50c. 2" to 2½"..... **35c**

SELECT COLLECTION. No. A12. One each of Illustrated Cacti. Four Plants..... \$1.10



OREOCEREUS CELSIANUS

These noble plants are native to southern Peru, Bolivia and northern Chile at elevations of 6000' to 12,000'. I took this photograph in November, 1951, near Tarata, Peru before the advent of the rainy season. The plants are extremely variable ranging from hairless to hairy and white to reddish, 2' to 8' tall. The lady is Mrs. Johnson.

OUR PERUVIAN EXPEDITION

One of the most interesting facets of the study of plants is to speculate on how plants arrived where we now find them. However, first we must know something about their distribution. Not very much was known of the cacti of the Andean region of South America. The principal object of our wanderings was to record the localities where the plants were growing and thus to learn the extent of distribution of each group or genus. With this knowledge one can be more certain of relationship between the groups and, by extension, more clearly see from what reservoirs they overflowed.

In September, 1951, I had my affairs sufficiently forward to take off for Ecuador where I intended to do further collecting in the jungle lowlands. Arriving at Quito my very good friend Dr. Acosta Solis kindly lent me the services of his best collector and we proceeded down to Puyo on the Rio Pastaza where with the aid of a Jivaro chieftain we secured many Marantas, Anthuriums, etc. Afterward we journeyed down to Quinde on the western flanks and found some lovely things.

In October I flew to Lima, Peru, where my old friend Dr. Cesare Vargas C. of Cuzco was awaiting to accompany me on an odyssey to the north. We collected many interesting cacti about Huaraz a valley near the base of stupendous Mt. Hauscaran, its snowcapped peak reaching into the piled cumulus clouds 22,000'. Two new Matucanas, a snowy Espostoa, Milas, Armatocereus, several Borzicactus, Melocactus, Trichocereus, a new Oroya, two new Tephrocactus, one with snow white hair and scarlet blossoms were found. Leaving we crossed the Paso Callan at 14,000' dropping down the brushy slopes to 4,000' where a splendid white Pseudoespostoa grew to 8' or more. Mila, Melocactus, Haageocereus and Neoraimondia were plentiful. Before reaching Trujillo a new Haageocereus was found. Leaving our collections to the good care of our friends at the University we continued north, climbing to Cajamarca. Along the way a new Pseudoespostoa, slender and divaricately branched, was collected together with a lovely golden spined Haageocereus, new Monvillea, Armatocereus, Neoraimondia and Melocactus. From Cajamarca we crossed to Celendin above the Rio Marañon. Leaving Cajamarca we found a curious Arequipa-like cactus near Arequipa myriacantha. Crossing the northern pass we climbed for hours over the bleak puna finally reaching San Miguel. A splendid Borzicactus with 3 1/2" spines clambered on the rocks at about 8,000', a new Erdisia, new Echeveria and Opuntia were found. Below San Miguel were some lovely flowering shrubs one with exquisite, deep blue, Nicotiana-like pendent blossoms, a shrubby Eugenia with red blossoms and shiny leaves and a climbing Bauhinia with large trusses of pink blossoms. We came upon a stately golden cereus with a stout trunk and up to 30 tall, slender branches each bearing a brown, wooly pseudocephalium. A glorious plant! Borzicactus plagiostoma grew with it. Lower grew Gymnanthocereus microspermus, a new Monvillea, two Armatocereus and Pseudoespostoa. From Chiclayo we proceeded east to the Amazon crossing the continental divide at Abre Porcula, the lowest Andean pass, at



AZUREOCEREUS NOBILIS

2000 meters. On the west side were many cacti, Neoraimondia, Armatocereus, Haageocereus, Gymnanthocereus microspermus and C. species, Rhipsalis, Hylocereus, Espostoa mocupensis, Pseudoespostoa, Trichocereus, Monvillea also a lovely pink Bougainvillea. At the top on the east was a bright golden spined Seticereus. Lower grew Espostoa lanata in abundance all the way to the Amazon, both red and white spined. A fine new Gymnanthocereus, a curious prostrate Borzicactus, and two new Armatocereus were collected. Below Pucura was a huge trunked Acanthocereus, two new Monvilleas, a strange red flowered, whip stemmed cereus, a new genus of columnar cacti with large white nocturnal flowers and a new genus of tree cacti with spineless branches and curious, nocturnal, scarious scaled flowers. Two odd, shrubby Pereskias and quantities of a fine new Melocactus were about. Trichanthocereus grew to 15' with pseudocephalia 10' long. Espostoa reached enormous size, 20' tall with 27' spread and also it crossed to the east side of the Marañon.

Back at Lima we shipped our collections home. My wife joined me here and we proceeded up through Anticona Pass 15,800' to Oroya and Huancayo and thence some 500 miles south-east to Lake Titicaca. This is a spectacular but little known region between the eastern and western cordilleras where one climbs to 14,500' travelling slowly through the cold, still mists and then drops precipitously into the vast, hot river valleys, over and over again. We collected many new cacti of great interest. Between Mejorado and Abancay were our splendid new Azureocereus one, the handsomest cactus I know, a tall bright blue column crowned with a

INDEX

Acanthocalycium	17	Epiphyllanthus	13	Neoporteria	18
Adromischus	5-6	Epiphyllum	7-8-13	Notocactus	16-7-20
Agave	3	Eriocereus	15	Opuntia	16-8-9
Aloe	4	Erythrorhipsalis	13	Pachycereus	16
Aporocactus	16	Escobaria	16	Pachyphytum	7
Argyroderma	6	Esposia	13-14	Pachyveria	6
Arthocereus	14	Euphorbia	4-6	Parodia	17-20
Ariocarpus	18-20	Faucaria	6	Pelargonium	3
Astrophytum	13-6-8-9	Fenestraria	7	Pelecypophora	18
Azureocereus	15	Ferocactus	19	Pereskia	15
Cereus	19-20	Gasteria	3	Piaranthus	7
Ceropegia	6	Gibbaeum	7	Pleiospilos	4-5
Cephalocereus	14-9	Gymnocalycium	14-5-6-7	Pseudoespostoa	18
Chamaecereus	20	Hamatocactus	16	Pseudorhipsalis	13
Chiapas	13	Hattoria	13	Pyrrhocactus	18
Cleistocactus	14-5-6	Haworthia	3-5-6-7	Rebutia	16-7
Cocheimia	16	Hoya	4	Rhipsalis	13
Conophytum	5-6	Hylocereus	13	Rochea	5
Coryphantha	16	Islaya	16	Sedum	6-7
Crassula	3-4-5-6	Jatropha	6	Selenicereus	13-9-20
Dinteranthus	7	Kalanchoe	7	Solisia	18
Disocactus	13	Kleinia	7	Stapelia	5-6
Dolichothele	16	Lapidaria	4	Stenocactus	14
Echeveria	3-4-5	Lemaireocereus	18	Tephrocactus	20
Echinocactus	18-20	Leuchtenbergia	14	Titanopsis	7
Echinocereus	13-9	Lithops	5	Tradescantia	7
Echinomastus	14	Lobivia	14-5	Weberocereus	13
Echinopsis	14-5-7	Mamillaria	14-5-6-7-8-9	Weingartia	14
Edithcolea	3	Mila	16	Werkleocereus	13
Encephalocarpus	17			Zygocactus	13

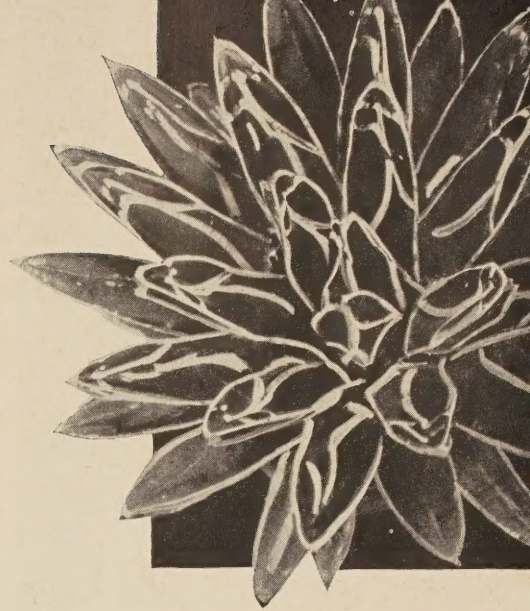
cephalium of shining white bristles. Three new Cleistocactus, a new cereus near Trichocereus up to 20' tall, new Erdias, Lobivias and Corryocactus, Morawetzia, Oroyas by the million and never ending variations of Tephrocactus floccosa. Here also were lovely Begonias, Fuchsias and many Amaryllads. Reaching Cuzco I went to the lowlands following the Rio Urubamba below Macchu Picchu to Quelluno. There Cereus vargasiana grew to 50' with Rhipsalis, Epiphyllum, Trichocereus, Erdisia etc. Near Cuzco were many Lobivias and Erdias some quite new. Driving on to Puno, finding Lobivias, then around the lake to Ilave leaving the cold, dark waters of Titicaca near the Bolivian border turning west to cross the highest Andean pass at 16,200' encountering Tephrocactus ignescens at 15,000' This is a very dry region. There were thousands of alpacas grazing and small herds of the graceful vicunas. On the west side the mountains toward Bolivia and Chile were brilliantly colored in rust reds, purple and yellow, a wild, tumultuous concourse of barren peaks and ranges. As we descended we found Corryocactus at about 12,000' and then our first Orocereus. They were plentiful in every conceivable variation to about 6,000'. Below Tarata we found two or three new Arequipas, Opuntias, Corryocactus, Armatocereus, Trichocereus, Tephrocactus and a new genus linking Cleistocactus and Orocereus. Below grew Browningia candelaris and a curious procumbent cereus near Arequipa. Arriving at Tacna we had a chance to rest and prepare specimens.

From Tacna to Moquegua we traversed the rolling, barren, red pampas with a diversion to the sea through a lifeless sand drowned range to the port of Ilo. Haageocereus, Tephrocactus and Islaya grew sparsely. North of Moquegua in the fog belt was a wealth of new things. Creeping Haageocereus, new Pygmaeoereus, new Corryocactus, Armatocereus, a fine procumbent new Trichocereus and a new Borzicactus-like prostrate cereus. At Arequipa we rested then crossed to the Valle de Majes and to Chuquibambas finding more Haageocereus, Corryocactus, Trichocereus, etc. Above Camana we collected a lovely new Islaya with red flowers, another Pygmaeoereus, another Borzicactus-like cereus also a brilliant Portulacac, many lovely annuals, alstroemeria and bulbs. Haageocereus and Islayas were found north to Atico. Near Atico were Haageocereus, a large new Islaya, Corryocactus and Neoraimondia and the wild parent of the garden Nasturtium. At Chala we went inland to 14,000' finding several new Tehrocactus, Arequipa, Corryocactus, Neoraimondia, a new Browningia, Trichocereus, Matucana, Pygmaeoereus, Haageocereus, Islaya, Maritinoereus and a handsome new columnar, red flowered cereus. From Nazca we climbed to Puquio finding another red flowered cereus a handsome, white wooly Trichocereus, Armatocereus, Browningia, Haageocereus, a new Erdisia and a handsome new species of Orocereus. North from Nazca we stopped at Ica staying at the strange dune rimmed lake of Huacachina. Arriving in Lima we packed our collections and returned to Ecuador and Colombia. On our way home a short stay in Nicaragua and Guatemala brought us several more interesting plants including Lemaireocereus aragonii.

Succulents

THESE colorful and fascinating desert plants are becoming increasingly popular with our patrons. Most of them are at home in the window garden and none of them have spines. Succulents belong to many families of plants such as the Daisy, Milkweed, and Lily families. The Cacti belong only to the Cactus Family. Succulents are found mostly in Mexico and South Africa. Some are popular because of their lovely or curious flowers, as the Echeveries and Starfish Flowers; others because of their odd shapes or handsome colored leaves.

CULTURE. A soil of one part easily crumbled loam, two parts clean sharp sand, one part leafmold or peatmoss is suitable though any garden soil will do. Sticky soils should have more sand and leafmold so that water will run through quickly. When newly planted, water lightly, watering again only when dry. Give plenty of fresh air whenever possible. Don't over water. They should dry out in 5 to 7 days. Fresh air is the key to success.



AGAVE VICTORIAE-REGINAE

A handsome Agave making a fascinating specimen plant increasing in beauty for many years. The leaves are rigid with irregular, painted white markings. Mature plants form a compact globe, dark green and brightly striped with white. It eventually reaches 12" in diameter but grows quite slowly. Give it a rich, porous soil and a sunny location. Water moderately. 5"-6" 6 years \$1. Smaller 3"-4" each.....

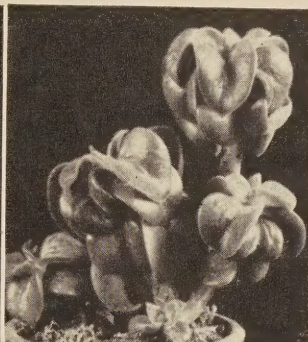
50c



ECHEVERIA VIOLET QUEEN

This quite lovely Mexican species bears many slender, silvery white leaves tinged with rosy lilac. In fall and winter they become more highly colored. Slender flower spikes in spring. Of easy culture in a sunny window.....

35c



ECHEVERIA RECURVATA

A curious variety of tall growth. The thick leaves are twisted and recurved, dark green, the surface with short, plush-like hairs. Quite distinct in appearance from all other kinds. May reach 12" height. Each.....

35c



ECHEVERIA SET-OLIVER

A handsome flowered hybrid with dark green, hairy leaves. In spring the bright panicles of orange colored almost waxy blossoms are very charming. Of the easiest culture and sure to flower. Each.....

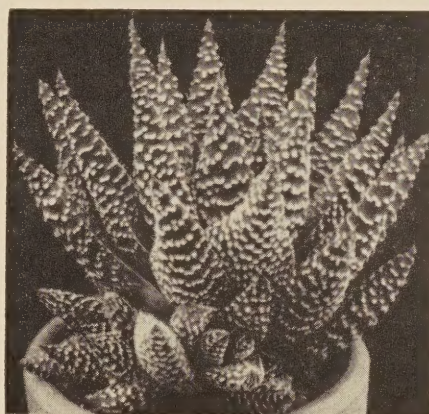
25c



CRASSULA CORNUTA

The thick leaved, white Crassulas are among the choicest items in the fancier's list. Since they grow quite slowly they are always scarce. No one could see them without wanting to possess them. They are native to South Africa growing in quite dry but not necessarily very hot regions. Enjoy a very sandy soil. Easy culture. Each.....

\$1



PEARL HAWORTHIA

The very choice Haworthia margaritifera granata has long been only a fancier's item. It grows slowly, eventually making a specimen 3"-4" in diameter. The thick, dark green, incurved leaves are covered with many white bosses. Haworthias are quite happy as dish garden subjects, preferring a well lighted location. A loose, very sandy soil. 1"-1½" 75c 50c. 2 each.....

75c



EDITHCOLEA GRANDIS

One of the rarest and handsomest of the Starfish Flowers. Quite different in growth as it becomes branched above, the warty, green stems with short prickles. The lovely blossoms 3½" in diameter are borne in summer. They are of the warm rich color of a fine Ispahan Persian rug, the petals margined by vibrant hairs. The blossoms are scentless. Grow in a loose, sandy soil with quite moderate waterings., partial sun. Each.....

\$2.50

ODDS & ENDS

Collection A 15

10 unlabeled cacti and succulents. Good plants left over from our packing tables.....

1.50



HAWORTHIA REINWARDTII

Grows tall forming divergent clusters. Dark green, the incurved leaves with many white dots in lines. A very pretty long lived plant making a handsome specimen. Partial sun, very sandy soil watering when dry. Each.....

40c



CRASSULA JUSTI-CORDEROYI

One of the prettiest flowering Crassulas, growing in small clusters the pointed, thick leaves grey-green. The pretty flesh pink blossoms are in flat topped corymbs flowering for weeks in late spring. Lovely. Each.....

35c



GASTERIA CAESPITOSA

A very dwarf, cluster forming relative of the Haworthias. The long, fat leaves are smooth and mottled with white. A choice subject for pot or dish garden. Partial shade, sandy soil. Simple culture. Each.....

35c



SWEET-HEART GERANIUM

Pelagonium echinatum is a scarce but very lovely succulent from South Africa. The flowers at first are white with two red hearts at the base of the upper petals. The color changes to pink with age. Nice flowering 75c and.....

50c



CHENILLE PLANT

At all seasons *Echeveria pulvinata* is a dainty beauty, the leaves and stems covered with a soft plush of fine hairs and tipped and margined with rich red. It flowers in mid-winter, the bells large and brilliant crimson. One of the prettiest plants in our houses. Semi-shade and moderate moisture. Each.....

30c

WAX VINE

Hoya carnosa bears lovely wax-like pink blossoms and shining, dark green leaves. Does equally well as a trailer or short climber. An old favorite easily grown in a semi-shady window. Give it an open porous soil of leaf-mold, sand or sandy loam and plenty of water. Each.....

60c

Variegated Hoya. Leaves handsomely splashed with yellow and pink. A charming, bright leaved plant for dish or window garden. Each.....

75c



AFRICAN LIVING ROCK

Simulates the grey granite rocks among which it grows. The thick, cool, punctate leaves bear, between them in early autumn, large, yellow, slender petalled flowers. A sunny location, sandy soil and keep on the dry side. Each.....

50c and 30c

ECHEVERIA

Found from Mexico to Peru these handsome succulents are easily grown and very variable in habit and appearance. Most prefer semi-shade and a quite open soil and are a first choice for window gardens.

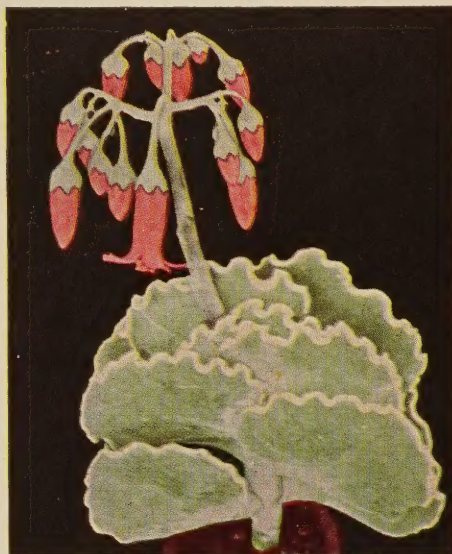
Echeveria Doris Taylor. Large hairy rosettes, handsome orange-flowered spikes.....	40c
E. coccinea. Very tall stems. Fine.....	35c
E. elegans. White powdered rosettes.....	25c
E. gilva. Green roses.....	25c
E. kewensis. Short stems.....	25c
E. multicaulis. Red leaved.....	25c
E. plumosa. Silver Chenille.....	35c
E. pubescens. Tall hairy stems.....	35c
E. pulvicox. Lovely red hairy leaves.....	25c
E. scaphophylla. Large green leaves.....	40c
E. Spruceana. Winter red.....	25c
E. Weingartii. Green rosettes.....	35c
E. sp. nova. Peru. New.....	75c
E. Johnsonii. Ecuador. New.....	75c



MEXICAN GEM

Echeveria elegans has small rosettes of white, spoon-shaped leaves. Flowers in spring. Plants form clusters and do well in full sun. Often used for edgings of beds or in dry rock gardens. Fine for sunny windows. Porous soil. Each.....

30c



SILVER CROWN

Crassula Undulata

The beautiful wavy leaves of this rare succulent are thickly covered with white powder. Every leaf has an undulate, rolled margin. In the spring the bright bells are produced. Makes a handsome specimen plant. Grows easily in any sunny window. A native of South Africa. Likes a loamy soil, moderate waterings. Stands considerable frost in California. Our plants are true. Nice plants 50c and.....

35c

ALOE

A large group of spectacular flowered succulents from South Africa. The bright red, yellow or pink bells are borne in many flowered spikes or umbels. The small plants are fine for dish gardens. Sun or part sun and good loam soil, moderate water.

Aloe africana. Quick growing. Tall.....	35c
A. ausana. Like Tiger Aloe.....	50c
A. aristata. Handsome, small, white dotted, many leaved rosettes.....	35c-50c
A. Bainesii. Giant tree species. 60'.....	\$2.50
A. brevifolia. Crocodile Aloe.....	35c
A. comosa. Handsome.....	50c
A. Dinteri. Rare. Spotted leaves.....	\$1
A. distans. Yellow prickles.....	75c
A. Krapohlana. Rare.....	40c
A. longistyla. Dwarf. Large flowered.....	35c
A. striata. Winter flowering. Fine.....	35c



CHRIST THORN

The lovely scarlet flowers of *Euphorbia splendens* are familiar to all. Grows easily and blooms well in any well lighted window. Likes a rich porous loam and a generous supply of water. In shipping the leaves drop but soon re-appear. Large 15" 75c. 8"-10", 50c, 5".....

35c

Euphorbia Hislopii. A lovely crimson flowered slender, twiggy variety. Winter flowering. Each 50c

CURIOSITY COLLECTION No. A1.

The six plants below. You will enjoy planting this easily grown group in a pot or bowl for a cheerful breakfast nook. All six.....

\$1.25

PEANUT CACTUS

Easy to grow, fast forming many headed specimens. Flowers large, bright red. Each.....

25c

PINCUSHION

Grows quickly in sun or part shade. Flowers when small. Each.....

25c

BIRD'S NEST

Curling yellow spines. Long slim nipples. Flowers yellow. Each.....

35c

RED DRAGON FLOWER

Cluster forming. Flowers red and black. Each.....

25c

CHRISTMAS CHEER

Grows anywhere. Colors best in dry, poor soil. Each.....

25c

FLOWERING PINCUSHION

Handsome carmine flowers in spring. Easy to grow and flower. The Mamillarias are very satisfactory for the beginner. Nice plants, 35c. Smaller.....

25c





PAINTED LADY

A popular winter and spring blooming succulent. *Echeveria Derenbergii* grows easily for everyone. White leaves margined with red. Sandy soil, moderate waterings, some summer shade. Flowering size, each 35c and.....

25c



MEXICAN FIRE CRACKER

Echeveria setosa is lovely with white haired leaves and handsome flowers. Prefers some shade. Not available during July and August. Each.....

35c

Echeveria Doris Taylor. Similar but much larger. A very handsome hybrid. Lovely flowers. Each.....

40c

Echeveria pulvicox. Lovely velvety red leaves. Stems tall, branched. Charming. Each.....

25c



WART PLANT

Haworthia subfasciata is a favorite and quite deservedly popular. The warts on the leaves are much whiter than shown. It is easily grown liking a quite sandy soil with leafmold which the thick yellow roots can easily penetrate. Shady but well lighted position and moderate watering. Nice 1½" plants 25c. Large 2"-2½" each.....

35c

LITHOPS or STONE FACES

Lithops are true "mimicry" plants and among the strangest productions of nature. Below is a picture. They are found in South Africa where they are concealed amongst the colored stones they so closely resemble. A dozen varieties may be grown in a single 5" pot in any sunny window. Your friends will marvel at their odd shapes and bright colors. Handsome flowers in October. Use a very sandy soil watering very sparingly. Fresh air is more to their liking than hot radiators.

<i>Lithops alpina</i> . Brown speckled.....	25c
<i>L. Aucampiae</i> . All red.....	35c
<i>L. Bromfieldii</i> . Brown splashed.....	75c
<i>L. Comptonii</i> . Dove grey. Large window.....	50c
<i>L. Edithae</i> . Speckled.....	50c
<i>L. fossulifera</i> . Lined rust red.....	35c
<i>L. Framesii</i> . Dove grey. Darker windows.....	30c
<i>L. Fulleri</i> . Lovely cream white. Brown windows.....	35c
<i>L. fulviceps</i> . Pink tan olive grey windows.....	30c
<i>L. Helmutii</i> . Tall green. Dark windows.....	50c
<i>L. Inae</i> . Lead grey. Rare.....	75c
<i>L. insularis</i> . Brown flecked.....	75c
<i>L. karasmontanum</i> . Brown mottled.....	35c
<i>L. kuibisensis</i> . Brown mottled.....	50c
<i>L. kunjasensis</i>	50c
<i>L. lactea</i> . Milky white.....	35c
<i>L. Lericheana</i> . Pink brown. Dark brown windows.....	35c
<i>L. Lesliei</i> . Brown red. Olive green windows.....	35c
<i>L. Lydiae</i> . Milky grey. Heavily speckled.....	50c
<i>L. Marthae</i> . Lead grey tinged green.....	25c
<i>L. mickbergensis</i> . Dove grey. dark windows.....	35c
<i>L. pseudotruncatella</i> . Tan spotted.....	35c
<i>L. turbiniformis</i> . All red. Large specimens \$1.....	35c

Collection A2. Six varieties my selection.....\$1.50

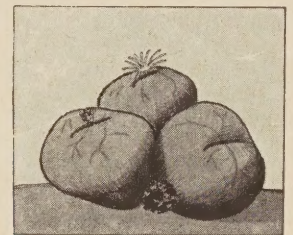
Collection A3. Twelve varieties my selection \$2.50



PLOVER EGGS

A fascinating plant with fat, round leaves marbled with maroon red. *Adromischus festus* requires a sandy, porous soil and a well ventilated situation. Do not overwater. Sun intensifies the color. Each.....

40c



CONOPHYTUM GIFFBERGENSIS

Like bunches of green grapes. Nice 50c and.....

35c



RATTLESNAKE CRASSULA

Crassula teres is a handsome small plant with fragrant white flowers. Simple to grow.....

35c

CRASSULA

A very variable group from South Africa, some noted for their flowers, others for their lovely forms. Splendid window garden plants easily grown in sandy soil.

Tricolor Jade Plant. *C. argentea tricolor*. Rainbow hued, yellow, pink and green. Lovely.....

35c

Crassula corallina. Tiny white clusters.....

35c

Crassula deceptrix. Splendid. Snow white. Rare collector's item. These lovely plants are slow growing and though of easy culture have seldom been available. Nice 1" plants.....

\$1

Crassula deltoidea. Silver beads. White, deltoid leaves, pink blossoms. An easily grown and pretty species.....

25c

Crassula deltoidea hybrid. Charming white creeper.....

35c

Crassula imperialis. Giant's Watch Chain.....

25c

Crassula lactiflora. Lovely white flowers.....

35c

Crassula lycopodioides. Princess Pine. Pretty.....

25c

Crassula mesembrianthemopsis. Foam Flower.....

35c

Crassula pyramidalis. Pyramid Crassula. Splendid.....

75c

Crassula Schmidtii. Rose red flowers. Fine.....

35c

Crassula tecta. A very rare collector's item.....

75c

ROCHEA FALCATA

The **Scarlet Paint Brush.** One of the handsomest of all pot plants with 6" flat umbels of brilliant scarlet, fragrant flowers. Grey-white, flattened leaves. Large 50c, Nice.....

25c



HAIRY STARFISH FLOWER

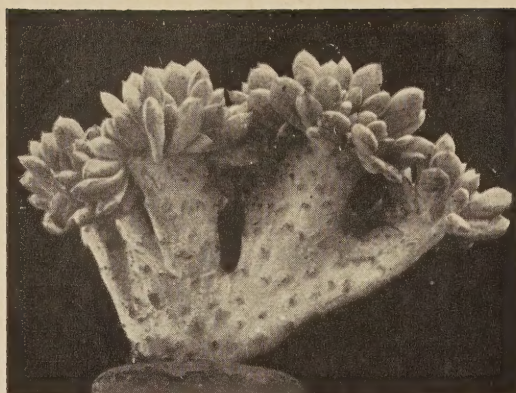
Lovely bright desert stars *Stapelia hirsuta* is a fascinating succulent at home in the window garden, blooming freely the first year. Nice potted plants.....

35



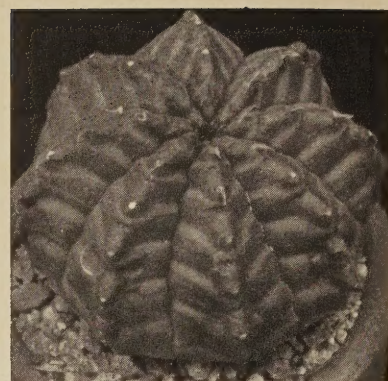
ARAB'S TURBAN

Odd and easy to grow *Crassula hemisphaerica* always attracts attention. Part shade, moderate watering. Each..... **35c**



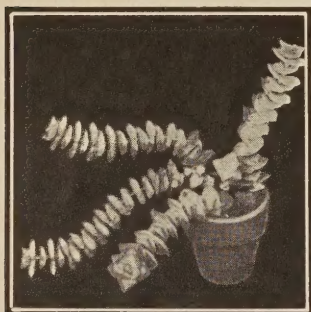
COCKSCOMB PLANT

The fan-shaped stems are very much crested and waved bearing along their crests numerous blue-white leaves. *Pachyveria clavifolia cristata* makes nice specimens. 1½" crests..... **35c**



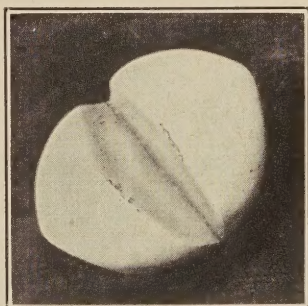
STRIPED EUPHORBIA

Euphorbia valida is more or less banded in a maroon zig-zag pattern. A rare plant but easily grown. Plants are male or female and a pair is needed to produce seeds. Pairs \$4. Nice specimens \$1.50 and..... **\$1**



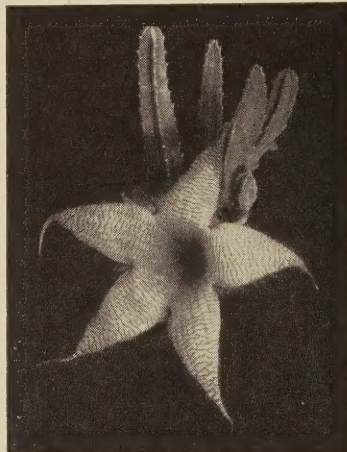
NECKLACE VINE

Crassula perforata bears leaves strung like beads. An easily grown favorite. Two for..... **35c**



SILVER SKIN

Pretty yellow or orange blossoms in fall. *Argyrodema octophylla* is a mimicry Stone Plant from South Africa. The whole plant is silvery white with a faint tinge of green. Likes sandy soil and a light position. Nice specimens, each..... **35c**



GIANT STAR FLOWER

Bears one of the largest flowers known, up to 16" across! The plant is very small and grows and flowers readily in the window. *Stapelia gigantea* will flower in a 4" pot. Sandy soil with cactus food, moderate watering..... **50c**

ROYAL STAR FLOWER

Stapelia nobilis bears 7" flowers fringed with purple hairs..... **75c**

STAPELIA DESMETIANA

Large purple fringed flowers..... **75c**

STAPELIA GETTLEFII

Handsome yellow striped flowers. **60c**



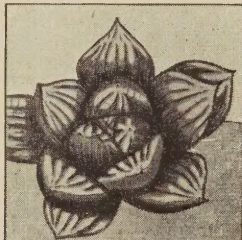
BURRO TAIL

A lovely plant whose lambent, pendulous tassels of palest silver have won it a place in every collection. *Sedum Morganianum* is easy to grow and soon makes a glorious specimen, the tassels reaching 3 feet in length. Likes moisture and some shade. Each..... **35c**



CONOPHYTUM BRAUNSII

Pink flowered desert jewel..... **50c**



WINDOW PLANT

The truncate leaves of *Haworthia cuspidata* are prettily patterned with lucent windows. A fresh green plant easily grown in sandy soil in part shade. Each..... **35c**

JATROPHA

Very rare succulent with large palmate leaves, short, thick trunk and cymes of scarlet flowers. *J. podagrica*. Potted plants..... **\$2.50**

JOHNSON'S CACTUS FOOD

A very effective food for cacti and succulents with a good organic base, the ingredients of which are blended and proportioned to help your plants make normal, matured growth.

12 ounce bag. Post Paid..... **50c**

32 ounce bag. Post Paid..... **\$1.00**

BLACK STARFISH

Stapelia berlinensis bears 3" handsome, purple-black flowers. It is one of the prettiest in bloom flowering from early summer till late fall. A rich porous loam, moderate water, sun. Each..... **50c**



ADROMISCHUS

Handsome African succulents liking some shade. Sandy soil and leafmold. Make charming show specimens.

Adromischus cristatus. Brown haired trunk, fat, green, undulate tipped leaves..... **35c**

A. Poellnitzianus. Tall, brown haired trunks. Fine for specimens. Very rare prize winner..... **\$1**

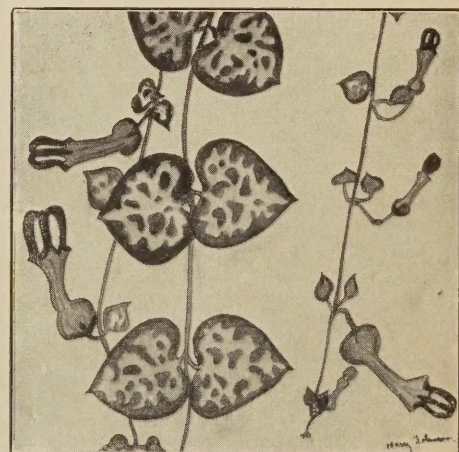
A. maculatus. Calico Hearts. Handsome large, round leaves spotted with maroon red. Nice. **35c**

A. clavifolius. Pretty Pebbles. Compact clusters of fat, silvery, darker spotted leaves. Nice. **35c**



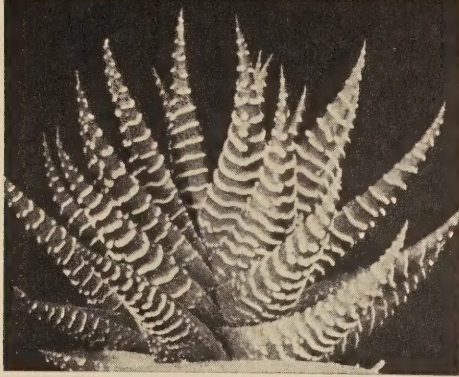
KNOBBY TIGER'S JAWS

Faucaria tuberculosa bears toothed leaves with tubercles on the upper surface. Odd little plants with charming yellow blossoms in the autumn. Easily grown in sandy soil in any well lighted window. You will like it. Each..... **35c**



HEART VINE

The leaves of *Ceropegia Woodii* are prettily marbled with silver. The stems hang down in long trailing curtains. Thrives in any sun or shade. Likes moisture. Potted..... **35c**



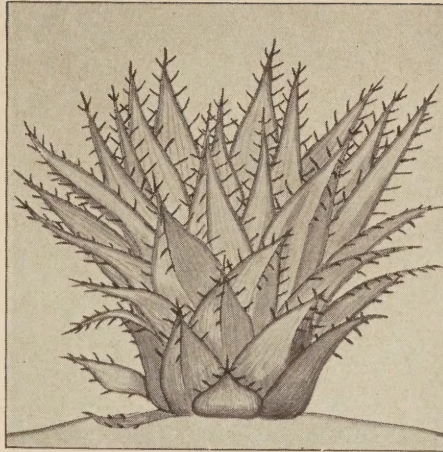
ZEBRA HAWORTHIA

The charming Haworthia fasciata is much sought after because of the pearly white raised lines banding the pointed, dark green leaves. All the Haworthias like quite sandy soil, some shade. Don't keep too dry. Each..... **35c**

JOHNSON'S SOIL CONDITIONER

Of great assistance in keeping cacti and succulents in good health. It is designed to add the minerals ordinary garden soils usually lack. Desert soils are often high in mineral content for there is little rain to leach them away.

10 ounces. Full directions..... **60c**
32 ounces. Full directions..... **\$1.00**

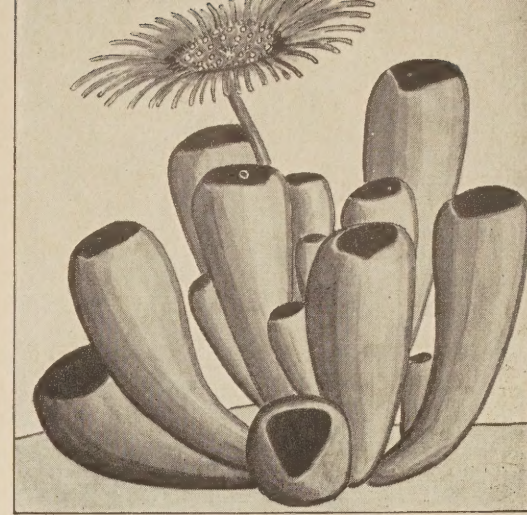


LACE HAWORTHIA

The lace effect of Haworthia setata is produced by the white, bristly teeth. The leaves are lined with transparent windows. Easily grown in quite sandy soil. Moderate waterings in any well lighted window. Keep dry in July and August. Each..... **35c**

HAWORTHIA RICIDA

A pretty dark, olive-green species without markings. Leaves pointed, rugose. Nice. **35c**
Haworthia coarctata. Tall growing with incurved leaves..... **35c**



BABY TOES

An odd "window" plant with daisy-like white blossoms. Each leaf of Fenestraria rhopalophylla has a clear window at the tip. Simple cultural directions sent with each plant. Real curiosities and a source of unending interest. Full sun. Potted blooming size..... **40c**

Orange Baby Toes. *F. aurantiaca*. Has shorter leaves and orange yellow blossoms. Potted..... **50c**



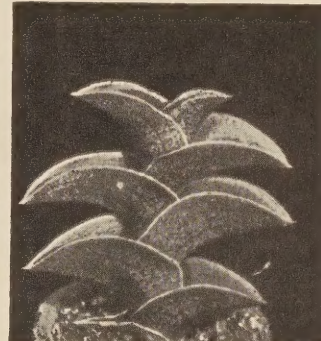
CORAL BEADS

Every bead is brightest red, every bead that falls will grow! *Sedum Stahlia* colors brightest in full sun and poor soil. Rich soil and water make it grow too fast. Each..... **25c**



JEWEL PLANT

A lovely mimicry plant often becoming highly colored in winter. *Titanopsis calcareum* likes a sunny window. Nice flowering size..... **35c**
Titanopsis setifera. Odd rugose leaves. Orange flowers. Each..... **50c**



CHAIN PLANT

Tradescantia navicularis bears bright pink flowers. With summer growth it becomes a creeper. Grows in sun or shade. An odd Peruvian plant named for its boat shaped leaves. Each..... **35c**



YELLOW STARLETS

A pretty dwarf plant *Piранthus Pillansii* is related to the Starfish Flowers with erect, star-like blossoms. Free flowering clusters..... **35c**

JOHNSON'S CACTUS COMPOST

To mix with your own sand and soil.

A economical way to secure a good compost for your plants. Mix with equal or larger quantities of both sandy soil and sand. Full directions.

4 pints or 2 pounds to make 6-10 quarts of potting soil..... **80c**
Peck or 8 quarts. Postpaid..... **\$1.95**

JOHNSON'S VITAMIN B1

Works miracles on cacti, often brings refractory plants into bloom. Particularly useful for pot-bound plants or those newly planted. Stimulates root growth. Not a fertilizer.

75 double strength tablets with full instructions for cacti. Bottle..... **60c**

PACHYPHYTUM

Mexican succulents making nice pot specimens. Stems to several inches tall with thick, colored leaves and bracted flowers.

Pachyphytum sp. Moonstones. Lovely milky-white, thick leaves. To 6"..... **30c**

Pachyphytum compactum. Round pointed leaves of dove grey often tinged with violet. **25c**

Pachyphytum brevifolium. Sticky stems, lovely white, violet tinged leaves. All easily grown. **25c**

KALANCHOE

Handsome flowering succulents mostly from Madagascar of very easy culture. Strong rooted.

Kalanchoe Gastonis Bonneri bears a terminal spike of handsome reddish, papery bells. Very nice..... **75c**

Kalanchoe grandiflora. Large heads of bright crimson flowers..... **50c**

Kalanchoe kewensis. Rare, pink flowered variety. **75c**

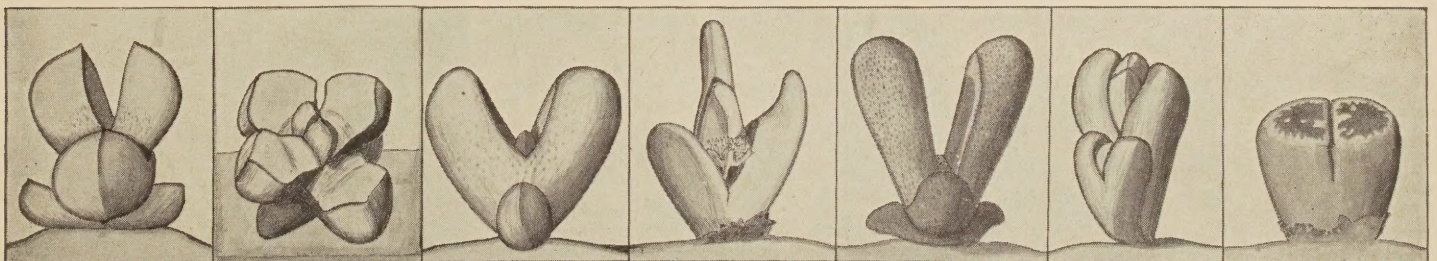
CACTUS AND SUCCULENT JOURNAL

Subscribe to this fine magazine. Keep up to date on what is going on in the cactus world. With it comes membership in the Cactus and Succulent Society of American. Cultural data, splendid photographs, 6 double issues a year. Popular as well as scientific articles about our hobby for over 20 years. A "must have" for the nature lover.

Year's subscription **\$3.00**

MIMICRY PLANTS COLLECTION NO. A4

7 of the most interesting mimicry plants for a small dish garden. They may all be planted together in a 5" pot. Stone Face, Split Rock, Jewel Plant, Flowering Stone, Karroo Rose. **\$1.50** Collection.....



DINTERANTHUS PUBERULUS

Charming African Stone Plant. Leaves white tinted pink. Blossoms bright yellow in fall. Fine. Large..... **25c**

KARROO ROSE

The lovely *Lapidaria Margaretae* with carved white leaves flushed with rose. Golden blossoms borne in September. Fine plants..... **25c**

FLOWERING STONES

Dinteranthus inexpectatus closely resembles the white pebbles among which it grows. Golden flowers. Fine..... **25c**

GIBBAEUM

Curious mimicry plants with rosy lilac flowers and very unequal leaves. Form clusters of fat leaves. Each..... **35c**

PLEIOSPILOS HILMARI

Fat copper-red leaves like jasper pebbles. Large golden blossoms borne from August to September. Nice colored plants..... **25c**

PEBBLE PLANT

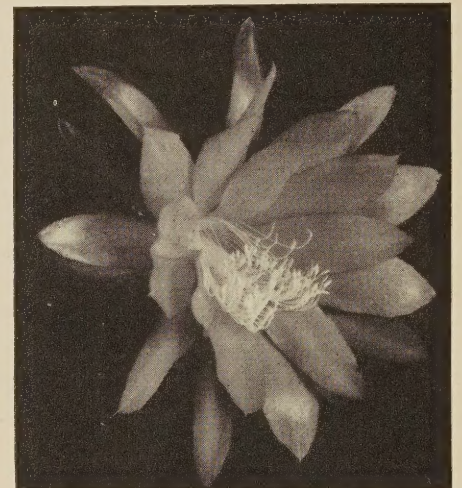
The *Rimarias* are like smooth green chert pebbles. Cluster forming. Flowers pinkish white, pink. **35c**

STONE FACE

Lithops are the jewels among succulents. Lovely patterned windows on top in brown, gray, rust red, white or green. Just like colored pebbles. Nice plants, each. **25c**

ORCHID CACTI

ORCHID Cacti or Epiphyllums bear the showiest blossoms of all cacti. They should not be treated as desert plants but rather as one would geraniums or the hardier begonias. They like a well lighted window and a cool rather than hot atmosphere. Quite easy to grow and they flower very freely under ordinary window garden culture. There is no catch to making them flower and the beginner is pretty well assured of success in flowering his plants the following April or May. Give them a quite porous compost of sand, peat or leafmold with very little loam. A 4" pot is ample the first year. Keep them barely moist but never soggy wet. They flower on last years "leaves."



VALENCIA

Orange yellow darkening to red with violet tones in the throat. Outer petals deep orange red. A vigorous, heavy flowering plant opening late in the season, May or early June. **75c**

JUBILEE ASSORTMENT COLLECTION A6

8 named Orchid Cacti in a fine range of colors and types for 4" pots. A rainbow in your window. **\$5**

PROFESSOR EBERT

A very lovely free-blooming variety with flowers of bright violet carmine. A good sturdy plant with triangular, bright green stems and quite sure to flower. An attractive, upright plant bearing its flowers boldly. Each. **90c**



RAINBOW COLLECTION Collection A5

Three beautiful Orchid Cacti for the window garden.

**Red
Pink
White**

Three labelled varieties of first quality. **\$2**

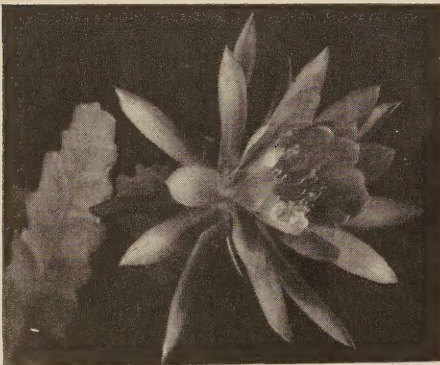
At Left CALLENDER'S PFAU

A very handsome variety. Light lavender-cerise with cup shaped inner petals. **\$1.00**



HERMOSSISSIMUS 3/5 Natural Size

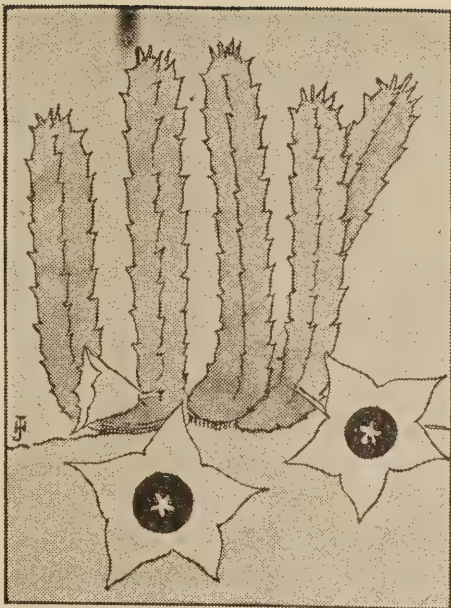
A vigorous, free blooming variety and one of the most spectacularly beautiful of them all. Inner petals are brilliantly bordered with violet with an orange stripe down the center. The throat is an effulgent electric blue-violet, the outer recurving petals are bright red shading into orange red. Epiphyllum plants branch from near the base with several arching stems. Each **\$1.25**



PADRE

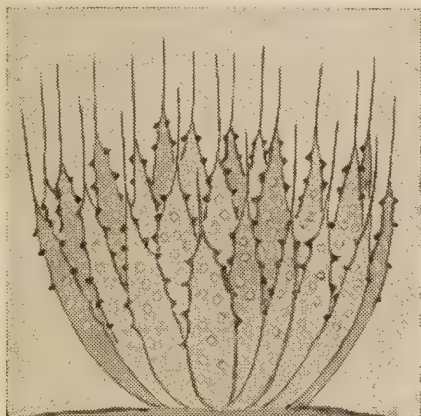
Lovely warm pink blossoms. Flowers over a long period. A reliable bloomer and a good one to start with. Plant vigorous and strong rooted. Besides the regular flowering period it may bloom at odd times through the year. Each **75c**





RED DRAGON FLOWER

The pretty *Huernia Schneideriana* bears delicately beautiful flowers with velvety red petals and black center. Flowers all summer, moderate waterings. Sun or semi-shade. Plants 35c and..... **25c**



ALOE ARISTATA

One of the very choicest small Aloes. Bears a great many closely set leaves with white pearly teeth and dots, each leaf terminated by a white awn. Remains small. Flowers red. A rare and elegant plant. Sandy soil. Each 50c and..... **35c**

The NEW SAND CULTURE for CACTI

Hydroponics is the scientific name for growing plants in culture solutions. This new science is rapidly proving its worth and for the cactus enthusiast has especial points of interest. One may grow his plants in clean porous sand, thus greatly reducing the danger of overwatering. This is of particular interest to collectors who live in damp, foggy or rainy places. Many choice or difficult plants thrive under this treatment, for cactus roots when well fed enjoy spreading in the air filled sand.

VITAMIN B-1

JOHNSON'S OWN B-1 TABLETS
For use in Any Soil

Works miracles on Cacti and Succulents, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Better Homes and Gardens tests on cacti report wonderful success attained in flowering slow plants. Particularly valuable to stimulate new root growth after transplanting. **75 Double Strength Tablets with Full Instructions. Postpaid..... 60c**

JOHNSON'S SAND CULTURE KIT COLLECTION H 23

Complete instructions on growing Cacti and Succulents in sand with nutrient solutions. Simplifies watering. Makes the most difficult desert plants of easy culture. Particularly useful where winters are long and damp.

Full instructions, 16-gallon package Plant Chem.
75 Johnson's B1 Tablets. 50c package Cactus Food..... **\$1.25**

CACTUS SEED

Cacti grow readily from seed which germinates in from 7 to 30 days, depending upon heat and moisture conditions. You will enjoy trying your hand at growing them. Fresh seed from our own plants. Full planting instructions with every order.

MIXED CACTI SEED

Contains more than 20 kinds, including *Mamillarias*, *Cerei*, *Echinopsis*, *Piptanthocerei*, *Trichocerei*, *Cleistocacti*, *Echinocereus*, *Echinocacti*, etc. Fresh seed. You will have fun growing them. Per packet..... **50c**

DE LUXE MIXTURE

Superb mixture made up of over 75 species of cacti and succulents. There are no weedy species included. Many are rare kinds collected from our own plants. All cacti seedlings are pretty and many bloom within two years. Put up in two packets of fine and coarse seeds. The collection..... **\$1.00**

MIXED LIVING ROCK SEED

There are many kinds of Living Rocks and we have one of the finest collections in this country. All seeds are grown by us. *Pleiospilos*, *Dinteranthus*, *Lithops*, *Lapidaria* and many others are included in this selection. Per packet..... **50c**

MINIATURE CACTI SEED

A choice mixture of the finest toy cacti, including rare *Parodias*, *Notocacti*, *Gymnocylindrus*, *Mamillarias*, *Echinopsis*, etc. Fifteen or more of the prettiest small growing types. Full instructions for planting. Per packet..... **50c**

CHOICE SUCCULENTS

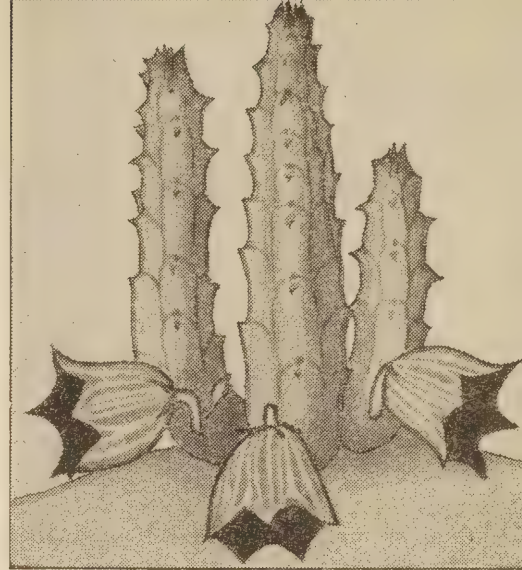
A fine mixture containing many rare species of *Mesembrianthemums*, *Crassulas*, *Cotyledons*, *Echeverias*, *Anacampseros*, *Aloes*, *Gasterias*, etc., from our huge collections. All collected from our own plants. Many interesting things. Per packet..... **50c**

MIXED PINCUSHION SEED

Mamillarias are one of our specialties and this mixture contains a very pretty and representative group. They germinate readily and can be flowered in two years. You will enjoy them. Per packet..... **25c**

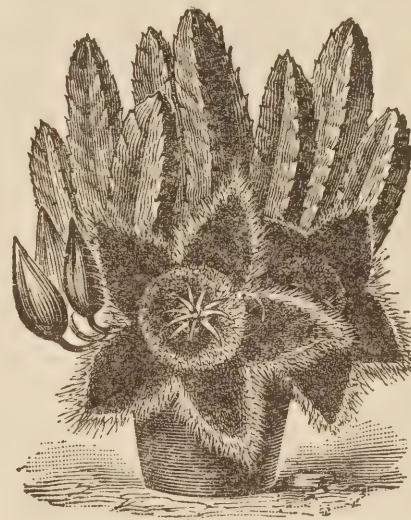
STONE FACES MIXED SEED

The Stone Faces or *Lithops* are the prizes of any collection. These handsome, interesting and entirely novel plants germinate quickly. You will have seedlings in two weeks! Approximately 100 seeds..... **25c**



KENYA DRAGON FLOWER

A pretty Dragon Flower with dark crimson-red, bell-shaped flowers. *Huernia keniensis* is an easy and vigorous grower and flowers from spring to cold weather. Clusters 35c and..... **25c**



HAIRY STARFISH FLOWER

(*Stapelia hirsuta*)

Handsome, velvety purple "stars" 4 inches across each petal fringed with soft violet hairs! They grow and flower freely in small pots. Your friends will never believe these strange African blossoms are real! **35c**



TIGER JAMS

<i>Faucaria acutipetala</i> . Clusters	35c
<i>Faucaria albidens</i> . Clusters	35c
<i>Faucaria arrabidaei</i> . Clusters	35c
<i>Faucaria Blue Queen</i> . Clusters	35c
<i>Faucaria Bosscheana</i> . Clusters	35c
<i>Faucaria Brittenae</i> . Clusters	35c
<i>Faucaria carinata</i> . Clusters	35c
<i>Faucaria cradockensis</i> . Clusters	35c
<i>Faucaria felina-Jamesii</i> . Clusters	35c
<i>Faucaria Hooliae</i> . Clusters	35c
<i>Faucaria Jamesii</i> . Clusters	35c
<i>Faucaria longifolia</i> . Clusters	35c
<i>Faucaria lupina</i> . Clusters	35c
<i>Faucaria Rhynfeldiae</i> . Clusters	35c
<i>Faucaria sulrueteria</i> . Clusters	35c



PLANT-CHEM-SALTS

Now Grow Prize Cacti the Easy Way

Cacti grown in pure sand and watered regularly with this nutrient solution make a vigorous normal growth. Contains in scientific proportions the thirty chemicals needed in the growth of all plants.

16 gallon package, post-paid..... **30c**
100 gallon package, post-paid..... **\$1.10**
400 gallon package, post-paid..... **\$2.10**

DIAMOND JUBILEE CACTUS HANDBOOK

Our Diamond Jubilee Cactus Handbook celebrates our 75th year in the nursery business. It contains a great many color plates of cacti and succulents, hundreds of photographs and much information on culture such as how to water, how to rest your plants, etc. Also notes on the native lands of our plants, where they are found, how they are named, and the general lore of cacti.

There are listings of hundreds of interesting plants, together with sizes and prices of available supplies. It has been impossible to list in our smaller yearly catalogs many items that have been available in the past.

Cactus Handbook. 48 pages. **50c**
Price.....

TERMS

I GUARANTEE SAFE DELIVERY ANYWHERE IN THE U. S. OR CANADA

December shipments via express at customer's expense, except for California, Oregon, Washington, Utah, Nevada, Arizona, New Mexico and Texas. These may go parcel post free.

50c packing and postage charge on orders of less than \$3.

10% postage charge on orders from \$3 to \$5.

Free delivery on orders of \$5 or more.

How to remit: By check, postal note, money order or stamps.

No C.O.D. orders accepted.

How we ship: By parcel post, which delivers direct to your door. All plants are passed by State Horticultural Inspectors to insure freedom from insect pests. They are packed by experts in especially made boxes heavily insulated from cold and clearly marked: "Rush—Perishable—Tender Plants."

Our guarantee is for safe delivery. We cannot undertake to make good plants lost through improper care. If plants are injured in transit and we are notified immediately, we will give credit for all damaged items.

PLASTIC LABELS

Permanent labels for plants poses a very difficult problem for the collector. Wooden labels while quite satisfactory do not of course last indefinitely. These plastic labels last for many years and outside of copper or zinc labels, which are difficult to affix to the plant, are the best solution I have found to date. Lead pencil writing lasts very well indoors or in the greenhouse. Outdoors it eventually weathers off. Grease pencils are useless. Water proof india drawing ink has proven the best medium for permanent labeling.

3 1/2"x 1/2" Plastic pot labels. Per 100.....**\$1.25**

4"x 3/8". Per 100**\$1.50**

4 1/2"x 3/8". Large, shaped labels for outdoors or pots. Per 100**\$1.75**

NEW SOUTH AMERICAN CACTI

We have many new species and some new genera of cacti from our 1951-1952 expedition to Columbia, Ecuador and Peru. These plants will be ready, in some instances, during the latter part of 1953 in nice seedlings. Seed was secured of almost all plants encountered though in limited quantities and all were sown during 1952. Eventually we hope to distribute all of the new finds as well as many older species long absent from collections. Some cactus seeds germinate readily others such as Browningia, Oroya, Armatocereus etc., may fail to germinate except quite erratically and can seldom be depended upon. Many of the new plants are novel and will interest the collector. Some form lovely small plants.



SUPPLIES FOR CACTI

Few things are needed in the growing of cacti more than interest and a desire to form an increasing collection of them. However, for the city dweller and more serious collector I am offering a few things that may make their culture easier. The things we offer are the things we ourselves use.

JOHNSON'S CACTUS FOOD

A very effective fertilizer with a good organic base, the ingredients of which are blended and proportioned to help your plants to make normal matured flowering growth. It is not a soluble fertilizer but should be scattered over the soil, a level teaspoonful to a 4-inch pot, three or four times during the growing season after the plants are well established.

Use only during the growing season. Light applications once a month are more effective than heavy applications.

12-ounce Bag**50c**

2-pound Bag**\$1.00**

ROOTWELL

Want to raise Cactus cuttings? Our new hormone powder for rooting refractory cuttings of all kinds designed particularly for quickly rooting Cacti and Succulents. Sterilizes the cut surface and induces luxuriant growth of roots. Apply dry with finger to fresh cut.

Full Directions. Per Package.....**50c**

JOHNSON'S VITAMIN B1

Works miracles on cacti, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Our customers report success, particularly when used on old plants. Also to stimulate new root growth after transplanting.

75 Double Strength Tablets, with full instructions for Cacti. Bottle.....**50c**

CACTUS AND SUCCULENT SOCIETY OF AMERICA

The Cactus and Succulent Society was organized more than 20 years ago to bring together those interested in these extraordinary plants and to publish a magazine which would provide a forum for the exchange of information and for the publishing of new species and scientific data. The Journal, under the competent editorship of Scott Haselton, has well achieved these aims, and today is the world's foremost publication about these plants.

Everyone is invited to join the Society and to receive this splendidly illustrated magazine. It has many articles on new plants, stories on exploration trips to new localities, articles on culture, news of affiliated Cactus Clubs in every region of the U. S. Everyone interested in Cacti and Succulents will continue to find this a most interesting magazine.

Membership and Journal—
Six double issues a year.....**\$3.00**

Europe and Africa.....**\$3.50**

CACTUS HELPS COLLECTION \$100

Items to make the growing of your plants easier and more enjoyable. Included here are all the things to root and grow your plants except loam and sand. Sand may be purchased from poultry houses or builders. Loam from garden or hillside.

Book, "Cacti and Succulents and How to Grow Them."

75c package Cactus Compost.

Johnson's Cactus Food.

Johnson's Cactus Soil Conditioner.

Quart of Cactus Hardwood Charcoal.

Bottle of Johnson's B1 Tablets.

50 Painted Wooden Plant Labels.

7 Items to Make Cactus Growing Easy. Postpaid.....**\$3.00**

JOHNSON'S CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health, it is designed to add the minerals ordinary garden soils often lack. Desert soils are often high in mineral content, for there is little rain to leach them away. A spoonful of my Conditioner placed about a Cactus plant and stirred lightly into the soil will often bring an ailing one back to health. Mix it with your potting soils.

Small Size, 10 Ounces, Postpaid.....**60c**

Large Size, 32 Ounces, Postpaid.....**\$1.00**

JOHNSON'S CACTUS COMPOST Mix With Your Own Sand and Soil

An economical compost for Cacti and Succulents which when mixed with equal or larger quantities of both sand and light loam makes a very suitable soil for all desert plants. Composed of our reclaimed sclerophyllous leafmold, lime, gypsum in the proper proportions for all potted cacti. A light and bulky mixture, the same as we use in our own potting soils for both seedling and specimen plants.

Per Peck, Postpaid**\$1.95**

4 Pints or 2 Pounds to Make 6-10 Quarts of Potting Soil. Postpaid.....**75c**

OUR SPECIAL CACTUS LEAFMOLD

A reclaimed, sclerophyllous desert leafmold, sifted, light and dry. Mixed with equal parts of both sand and loam, it makes a fine, economical cactus soil.

4 Pints or 2 Pounds to Make 6-10 Quarts of Potting Soil. Postpaid.....**70c**

HARDWOOD CACTUS CHARCOAL

Useful in keeping cactus soils sweet and aerated. Helpful in heavy soil.

Per Quart**40c**

CACTUS INSECTICIDES

Our special instruction sheet describing common cactus pests and treatment, with spray formulas. We recommend Red Arrow Spray as effective and non-injurious to cacti or other house or garden plants.

Instruction Sheet and Bottle of Red Arrow Spray. Postpaid**40c**

VOLCK SPRAY. An oil spray recommended for any kind of scale insect and for mealy bug. These two insects are hard to kill as they have a waxy covering which repels water. We have used it for years, but only recently has it been put up in small bottles. 4-ounce bottle prepaid (with orders only) with chart describing cactus pests. Full instructions for use.....**50c**

BLACK ROT PREVENTIVE

With light waterings, fresh air and sun, rot will not appear. If through too much watering plants turn black and watery its spread may be checked by saturating the top soil with a Semesan solution. It is useful also to spray tiny seedlings to prevent "damping off" or rotting.

1/3-ounce envelope, with cactus instructions**20c**

2-ounce pkg., with cactus instructions.....**50c**

PLANT CHEM SALTS

Cacti grown in pure sand and watered regularly with this nutrient solution make healthy vigorous growth. An occasional watering of all your house plants will supply the rare minerals sometimes lacking.

16-gallon pkg., with full instructions.....**30c**

100-gallon pkg., with full instructions.....**\$1.10**

400-gallon pkg., with full instructions.....**\$2.10**

IT WILL GREATLY ASSIST US IN PROMPTLY FILLING YOUR ORDER



Johnson Cactus Gardens

PARAMOUNT, CALIFORNIA

1953

TIGER JAWS

The *Faucarias* are old favorites. Their curious toothed leaves and cheerful yellow blossoms in the fall insure them a place in every collection.

Each 35¢ and..... 25¢

PLANT BONUS

**On orders of \$3 or more
choose 10% in free plants**

NAME _____ DATE _____

STREET or P. O. BOX.....

CITY _____ STATE _____

**Please Fill Amount
of Money Sent**

Money
Order \$.....

Cash.....

Stamps.....

Checks.....

If stamps send large denominations please.

Your Order

Is this your 1st order ☐

2nd ☐ 3rd ☐ 4th ☐

5th ☐ 6th ☐ 7th ☐

PLEASE NOTE

This 1953 Catalog may be used with our 1951 Catalog, which is still valid. Please do not order from older catalogs, as plants may be out of stock.

TO OUR FRIENDS

If you are interested in the more rare and uncommon Cacti and Succulents, our Diamond Jubilee Cactus Handbook has a much more extended listing. In it are many new species, also those of slower growth which are seldom seen. There are also more detailed articles on culture, watering, etc. A handbook of Cactus lore. Price.....50c

QUESTIONS

Owing to present conditions it is increasingly difficult to answer correspondence regarding culture, etc., promptly without greatly increasing the costs of our products. We beg your indulgence for delays. **All orders go out promptly.**

Leaving room in your letter for answers to your questions will help us serve you better. Stamped self-addressed envelope for replies are greatly appreciated.

CACTUS BOOKS

"Cacti and Succulents and How to Grow Them"

68 pages and many photographs of cactus and succulents. Plain information on the care of your plants. Much recommended 50c

"Cacti for the Amateur"

110 colored pictures, 150 cactus photos. Full information. Cloth binding.

Postpaid.....\$3.15

"Succulents for the Amateur"

800 succulents described. 167 pages crammed with information. 400 illustrations. 85 in color. Cloth.

Postpaid.....\$3.15

[illegible]

CHOOSE 10% IN FREE PLANTS ON ALL ORDERS OF \$3.00 OR MORE



HEDGE HOG CEREUS

Echinocereus pentaloophus, a native of Texas, is a brilliantly flowered small cactus. The finger-like stems form little clusters which in spring are covered with 3"-5" sparkling blossoms. It is reasonably hardy and will stand temperatures to 15°. It should be wintered in a cool place, when the stems will become quite limp. Large 50c. Nice..... **35c**

SNOWDROP CACTUS

Rhipsalis Houletiana bears creamy blossoms at each crenation of its gracefully pendent leaves. Culture as for Orchid Cactus..... **50c**

WEBEROCEREUS BIOLLEYI

This spineless, slender, climbing or trailing cactus may be trained around a window or allowed to hang down. Pink blossoms..... **35c**

RICE CACTUS

Rhipsalis cereuscula bears slender, arching stems and white blossoms. Very pretty..... **35c**

EPIPHYLLANTHUS OBOVATUS

Very rare. Looks like a tiny *Opuntia* but is related to *Epiphyllum*..... **\$1**

RHIPSALIDOPSIS ROSEA

A rare Brazilian cactus with charming pink blossoms. Grows like a tiny Xmas Cactus. **\$1**

DISOCACTUS EICHLAMII

A lovely flowering cactus from Guatemala. Slender, brilliant red blossoms..... **75c**

ERYTHRORHIPSALIS PILOCARPA

A tiny Brazilian cactus with pink blossoms resembling *Rhipsalis*. Culture as Xmas Cactus. **\$1**

ASTROPHYTUM CAPRICORNE

A very free flowering small cactus without sharp spines. Related to Bishop's Cap. Flowers 2"-3" diameter, brilliant golden yellow with red throat. Flowers when very small. Easily grown in any sunny window. Sandy soil, very moderate waterings. Large flowering **\$1**. Small **35c**. 4 year old flowering..... **50c**



GLORIA—2/5 Natural Size

A magnificent Orchid Cactus with gorgeous flame colored flowers 9 inches across. Its season of bloom is one of the longest, flowers sometimes appearing as late as August. Very easy to succeed with. An outstanding variety and much recommended. Each..... **75c**



CHRISTMAS CACTUS

The beautiful Fuchsia-like blossoms of *Zygocactus truncatus* are seen from December to March when other flowers are scarce. Easy to grow in light sandy soil with leafmold or peatmoss. Do not allow to get too dry. Native to the cool, moist mountains of southern Brazil. Large flowering size 7"-8" **\$1.50**. Medium **75c** and **\$1**. Small two years 3"..... **50c** All potted.

HYBRID EASTER CACTI

These very interesting hybrids between *Schlumbergera* and *Rhipsalidopsis* were produced in Germany by Mr. Andrea. They combine the characters of the two genera very clearly. Flowers intermediate. Each..... **\$1**

WERKLEOCEREUS GLABER

A handsome climbing cactus with spineless, triangular stems and large, white, night opening flowers..... **50c**

HATTIORA BAMBUSOIDES

Shade loving cactus with upright, slender, jointed stems bearing at their tips orange colored flowers. Very pretty. Each..... **35c**

CHIAPASIA NELSONII

Grows like *Epiphyllum* bearing large, bright violet-pink blossoms. A lovely plant..... **75c**

PSEUDORHIPSALIS MACRANTHA

A rare Mexican cactus growing like *Epiphyllum* but with very fragrant 1½" yellow and white flowers. Charming..... **\$1**

WEBEROCEREUS TRICHOTUS

New small climbing cereus freely bearing bright pink flowers. For window garden. **35c**

HYLOCEREUS

Huge flowered, night-blooming cerei of climbing habit. Stems 3-angled, green or white powdered. Magnificent blossoms.

Hylocereus ocamponis. Red laced flowers..... **75c**

Hylocereus calcaratus. Lobed ribs, white..... **75c**

Hylocereus extensus. Small growing..... **60c**

Hylocereus undatus. Honolulu Queen..... **75c**

SELENICEREUS

Slender stemmed climbing cerei with huge white and yellow blossoms. Well lighted windows, sand, leafmold and loam. Moderate waterings.

Selenicereus Werklei. Spineless, short, slender stems..... **50c**

Selenicereus Donkelaarii. Dwarf..... **75c**

Selenicereus spinulosus. Free flowering pink. **50c**

Selenicereus hondurensis. **75c**

Selenicereus Urbanianus. **75c**

PERUVIAN OLD MAN

Everyone admires these pretty, softly haired, white plants. They are clothed with snowy, silky floss. *Esposita lanata* grows easily and quickly. Grow in a well lighted window in a quite sandy soil very moderate watering. Specimens 6 years old 5" or more **\$1**. 2½"-3" **50c**. Nice..... **35c**



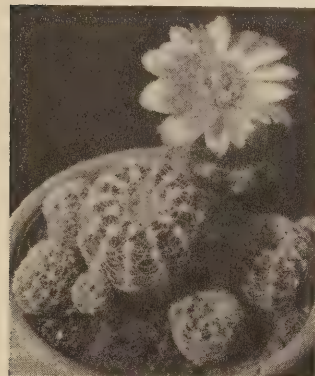


ECHINOMASTUS UNCINATUS

A unique cactus with very long, hooked, central spines borne on tubercled ribs. Flowers very dark maroon-red. Spines very prominent though quite harmless. Does well in sand and leafmold in a sunny window, very moderate waterings in winter, more in summer. Nice, each..... **50c**

WEINGARTII CUMINGII

Bears handsome, brilliant orange-yellow blossoms. Plants small, globose; aerioles borne on low tubercles arranged in spirals, spines short. Very satisfactory window plants. Small plants **50c**, Larger..... **75c**



GYMNOCALYCIUM BRUCHII

Lovely pink blossoms! A charming easily grown, cluster forming, dwarf plant. A real "must have" for the fancier. Flowers in late spring. **50c** Clusters \$1. Smaller.....

OLD MAN CACTUS

The long, snow white hair of the venerable *Cephalocereus senilis* makes it much sought after. No collection should be without it. Grows as a tall, single column. A quite sandy soil with some charcoal and moderate watering. Thrives in any sunny window. **35c** 3"-4" **75c**, 2"-2½" **50c**. Nice hairy plants...



CLEISTOCACTUS

Handsome plants, many being subjects for the window garden. They are strong rooted plants liking a porous loam soil, moderate watering and a light window.

Cleistocactus Baumanii. Scarlet Bugler. A very free flowering cactus. Stems slender to 18" branching below, even the flower buds are brightest red. Easily grown. 12" **75c**, Smaller **50c** and..... **25c**

Silver Torch. *Cleistocactus Strausii.* Glossy white, soft spines. A tall white column forming handsome clusters. Lovely. 8"-10" **50c**, Smaller **35c**

Cleistocactus Morawetzianus. A tall, much branched small tree. Flowers whitish. Ea. **50c**

Cleistocactus smaragdiflorus. Red flowers tipped green..... **50c**



ESPOSTOA

A lovely Peruvian group of which I have found several new species in central and northern Peru, where it descends down to the upper Amazon River. There it attained gigantic size up to 20' tall with a spread of 27'. Like the Old Man Cactus it bears long, silky, white hairs and the young plants are very handsome.

Peruvian Old Man. *Espostoa lanata.* Photo page 13.

Espostoa huanucoensis. Long white hair. Yellow spines. Fine hairy specimens..... **75c**

Espostoa mocupensis. Very tall species with reddish spines. Quite distinct. 3"-4"..... **\$1**

Smaller **75c**

Espostoa sp. nova. Canyon del Pato. The whitest of all. A very lovely plant. Specimens 5"-6" **\$3.50**. Smaller..... **\$2.50**

Further new species ready in 1954.



LOBIVIA MUSCHII

A fine new species from Bolivia. This belongs to the apical flowering group, the lovely rose-pink blossoms 1½" in diameter. Solitary, rather tall cylindric plants with stout spines. Large flowering **\$1**. Small plants..... **35c**



ARTHROCERUS MICROSPHAERICUS

An interesting small cereus, the short joints almost cylindric. The flowers open at night, white with a long tube, fragrant. Thrives in a well lighted window with moderate watering. Each..... **\$1**

AGAVE CACTUS

Leuchtenbergia principis hardly looks like a cactus but more like an agave. Bears yellow fragrant flowers at the tips of the long nipples. Large **50c**. Smaller..... **35c**

ECHINOPSIS RITTERI (below)

A very handsome species bearing its flowers at the apex of its globular stem. Flowers very large, snowy white. Plant may reach 6" diameter. Large 6 year **35c** specimens **\$2.50**. Smaller **75c** and.....



LOBIVIA CYLINDRICA

Brilliant yellow blossoms. A charming, rather tall growing species from Argentina. Flowers freely during late spring. Blossoms about 2" in diameter. **35c** Nice plants **50c** and.....

LOBIVIA

Lovely flowered small cacti easily grown in a well lighted window. A porous soil, moderate to generous watering. Easily flowered.

Lobivia aurea. Large bright yellow blossoms. Fine! 2"-2½" specimens **\$1**. Smaller flowering **50c**. Nice..... **35c**

Lobivia famatimensis. Flowers lovely. Ea. **50c**

Lobivia Hertrichiana. Dark red. Charming. **50c** and..... **35c**

Lobivia Nealeana. Bright red. Clusters. Each **35c**



GOLDEN STARS

The lovely popular *Mammillaria elongata* should be in every collection. Spines golden yellow. Easily grown, branching freely often having 100 arms. Sandy soil, sun or shade. Large branched **50c**. Smaller branched..... **35c**

BRAIN CACTUS

The *Stenocacti* form a very distinct group. They bear a great many thin, wavy ribs and stars of not very sharp spines. The flowers may be pink, white or purple striped and are quite charming. Easily grown vigorous plants. Place in a well lighted window. Five flowering size plants all different **\$1.50** **35c** Nice smaller plants each.....





LOBIVIA HUASCHA

A handsome flowered plant midway between Trichocereus and Lobivia bearing stout, short-tubed flowers ranging from bright yellow to crimson. Stems are clustered, generally less than a foot tall. Flowering size \$1.25. Smaller.....

50c

Lobivia huascha rubra. Dark red flowered variety. 75c and 50c.

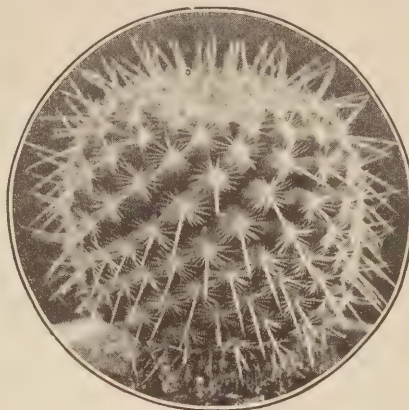
AZUREOCEREUS

A columnar cereus bright blue in color with chestnut colored, stout spines. A handsome specimen or show plant. Sun, quite sandy soil, very moderate watering. Specimens 5"-6" \$2. 4".....

\$1.50

WESTERN STATES

If you live in the dryer south or south western states where temperatures do not fall below 20° above zero, outdoor cactus gardens or rockeries can easily become a pleasant feature of your garden.



OWL'S EYES

Mamillaria Parkinsonii has stars of pure white spines. With age the plants divide into 2 or 4 heads making interesting specimens. Grows well in any well lighted window. Use a quite sandy soil with only very moderate watering. 2" 50c. Nice.....

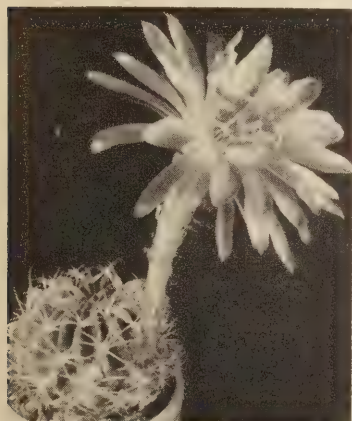
35c



EASTER LILY CACTUS HYBRIDS

These lovely new flowering cacti are crosses between Echinopsis, Lobivia and Trichocereus with which I have been working for many years. The flowers are large, long tubed, in lovely colors ranging from salmon pink to orange and red. They flower abundantly having had as many as 26 flowers open at once. Of the very easiest culture, liking a porous soil with feedings of Cactus Food during summer, watering freely.

Paramount. Bright, orange-yellow blossoms. Very free flowering and a vigorous grower. \$1.25 Each



ECHINOPSIS OBREPANDA

A very handsome species with lovely white blossoms. The plants are small with narrow ribs and stout recurved spines. Flowers in April and May. Large flowering plants \$1.25. Small.....

35c

Echinopsis obrepanda amoena. Gorgeous red-pink or salmon blossoms! A lovely plant in flower. Large specimens.....

\$2



BIRD'S NEST

Feathery yellow spines that are papery, soft and harmless. Mamillaria camptotricha is much given to clustering soon forming attractive specimens. Easily grown in any light window in shade or sun. Moderate watering. Large flowering clusters 50. Nice colorful plants.....

35c

MAMILLARIA PERBELLA

A very white spined species with charming pink blossoms followed by fat red berries. A very pretty small specimen plant easily grown on the window sill. Large 50c. Nice specimens.....

35c



LOBIVIA PENTLANDII

A variable plant from the highlands of Peru at 12 to 13,000 feet, near Lake Titicaca where I collected many forms growing together. Flowers bright orange-red. Stands considerable frost. Flowers very freely and is easily grown. 35c

Lobivia jajoiana. Handsome, large, red, silky blossoms. Small.....

35c



SILVER TORCH

Cleistocactus Straussii is an easily grown plant every collection should have. Bright red flowers in summer. Branches freely from base. Handsome silvery columns, soft spines. Sun or part sun. 6"-8" 50c. 3"-5".....

35c

Cleistocactus hyalacanthus. A much whiter and stouter plant. Give less water and a sandier soil. Crimson flowers. Each.....

50c

Echinopsis Los Angeles. A large pink flowered variety extremely free in flower. A splendid pot plant much recommended. Large \$2. Nice.....

50c

Echinopsis Johnson's hybrid. Pink frilled blossoms. Often bears a dozen blossoms at a time. Easily flowered. Large \$1. Smaller 50c

Echinopsis calochlora. Bright shining green plant. Snowy flowers. Very pretty.....

35c

Echinopsis hamatacantha. Pygmy Easter Lily. Lovely white to pale pink blossoms. Flowers for everyone. Flowering size.....

35c

ERIOCEREUS

Climbing, free flowering, night-blooming cacti. Rich porous soil and a sunny window.

Eriocereus Bonplandii. A vigorous plant producing large white blossoms through summer and fall. 50c.....

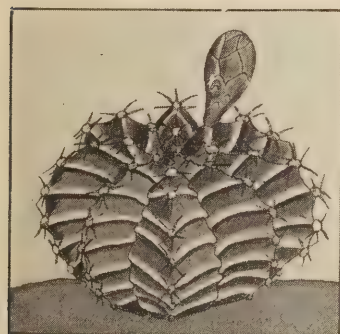
35c

Eriocereus Martinii. Moon Cereus. Snowy blossoms. 35c

Eriocereus Regellii. Pink Moon Cactus 35c

Eriocereus tortuosus. Spiny creeper.....

35c



PLAID CACTUS

Every collection should have this small plant. Gymnocaulium Mihanovichii. Flowers vary from chartreuse to pale yellow. Extremely free flowering from spring to fall. The banding is pronounced so that it is attractive always. Easy to grow in part shade. 4 years old mature. \$1. Flowering specimens 50c and.....

35c



LEMON VINE

A true cactus, it bears large shining green leaves and waxy, lemon scented, creamy blossoms. Pereskia aculeata is a vine often used as a stock to graft Christmas Cactus. In shipping they often drop their leaves which does not hurt them. Give generous treatment. Potted plants.....

30c



ROSE PINCUSHION

One of the best blooming of all cacti. Mamillaria Zeilmanniana bears its cheerful, dainty dark pink blossoms in great abundance during the spring. The blossoms are large for a Mamillaria and quite charming. Thrives in any light window. Use a sandy soil, moderate watering. Large 50c. Smaller.....

35c



DAM'S CHIN CACTUS

If you want the easiest flowered cactus try Gymnocaulium Damsii which bears its lovely, large pink and white flowers throughout the spring and summer. Even tiny plants flower. Of the very easiest culture in a light or even part shady window. Moderate to generous watering. Large specimens 75c. Smaller 50c. Flowering size each.....

35c



CORAL CACTUS

The Coral Cactus (*Mamillaria Heyderi*) is one of the prettiest of all with its circle of coral red berries and charming cream flowers. The berries burst forth ripe and scarlet, taking only a day or so to appear. Mature fruiting 2"-3" specimens each..... **50c**

CORYPHANTHA

Related to *Mamillaria* but with larger flowers.

- Coryphantha Andreae*. Each..... **35c**
- C. asterias*. White spined..... **35c**
- C. bumamma*. Nipples buried in white wool..... **50c**
- C. clava*. Tall growing. Large specimens..... **\$1.00**
- C. Georgii*. Interesting..... **35c**
- C. macromeris*. Distinct, long nipped..... **35c**
- C. Poselgeriana*..... **35c**
- C. scolymoides*. Large flowered..... **35c**

ESCOBARIA

Similar to *Mamillaria* but bearing their flowers at the top from the base of tubercles.

- Escobaria tuberculosa*. White spines, pink flowers. **35c**
- E. strobiliformis*. Forms pretty white spined clusters. **35c**
- E. Roseana*. Golden yellow spines. Dwarf, clustered. **40c**
- E. Chaffeyi*. White spined. **35c**

COCHEMIEA

Related to *Mamillaria* but with scarlet, elongated, zygomorphic flowers.

- Cochemia maritima*. Quite rare in collections..... **\$1**
- C. setispinus*. Rare..... **50c**

DOLICHOTHELE

Have long nipples and large, shining, yellow flowers. Form large clusters. Culture same as *Mamillaria*.

- Dolichothele sphaerica*. Butter Pincushion. Pretty. Each..... **35c**
- D. Ludwigii*. A large species..... **\$1**

BISHOP'S CAP

Don't fail to include this fine plant! Very easy to grow in any window. Flowers freely in summer. *Astrophytum myrtilloides* is quite white with 5 ridges. Specimens 1½"-2". **50c**. Nice plants..... **35c**

4 sided Bishop's Cap. An odd form. Nice..... **40c**



MILA

A rare Peruvian genus with yellow blossoms. Forms small, finger-like clusters. *Mila caespitosa*. Very rare..... **75c**

ISLAYA

A rare Peruvian genus. Solitary, globular plants with yellow or red flowers.

- Islaya islayensis*. Rare..... **\$1**
- Islaya minor*. Rare..... **75c**



RED CROWN

The *Rebutias* are free flowering, small, cluster forming plants. They are unbelievably floriferous when well grown. They are easy to graft and grow very rapidly this way. Any well lighted window suits them, shading from summer's mid-day sun. A porous soil with moderate to generous watering.

- Rebutia minuscula*. Bright red flowers..... **35c**
- 50c and..... **35c**



STRAWBERRY CACTUS

A group of *Hamatocactus setispinus* is never without flowers during the summer months. It is a favorite of all, growing freely and of the easiest culture. The flowers are rather larger than shown and the brilliant scarlet fruits are showy. Enjoys a light loam, sun or part sun watering when dry. Large specimens 3" to 4" **50c**. Smaller 1½" to 2" flowering..... **35c**



RATTAIL CACTUS

An old favorite. *Aporocactus flagelliformis*, grows easily in sun or part shade the tail-like stems hanging downwards. Grafted on *Nyctocereus*, each..... **\$1.00**



NOTOCACTUS PANPEANUS

Easily grown and flowered in any well lighted window. Blossoms in spring. A fine South American plant standing 15° temperature. Large 1½" plants 50c. Smaller..... **35c**



ROSE PLAID CACTUS

A handsome small cactus brightly banded with copper-green and cream. The lovely pink flowers of *Gymnocylindium Friederickii* are large and freely borne all summer. Specimens 50c. Flowering..... **35c**

SCARLET BUGLER

The fast growing slender *Cleistocactus Baumannii* forms a small cluster to 2' tall. Bright red blossoms all summer. 12" **75c**, smaller 50c and..... **25c**



JOSEPH'S COAT

Handsomely variegated with white yellow-green and pink. An easy to grow favorite. *Opuntia monacantha variegata* likes sun or partial shade, moderate waterings. Nice plants..... **35c**



GIANT MEXICAN CEREUS

Small plants are quite pretty and grow well. The above photograph of *Pachycereus Pringlei* I took in Baja, California. Fine specimen 5" to 7" **50c** and **75c**. Nice miniatures 2"-3" **25c**



GOLDEN BALL

The lovely golden haired *Notocactus Leninghausii* is a great favorite, and deservedly so. Thrives in any window with moderate watering. Spines soft and flexible, brilliant gold. Specimen clusters 8 yrs. old \$5 to \$7.50, 2½" to 3" \$1. Smaller 50c and..... **35c**

NOTOCACTUS

A very fine group of plants well suited to the small collection or the window garden. Most bear pretty, bright blossoms and all have interesting forms. Some have very bright colored spines. Of easy culture liking a well lighted window, a porous soil, moderate waterings and a little cactus food.

- Notocactus scopia*. Silver Ball. See below.
- Notocactus apricus*. Sun Cups. Yellow flowers larger than the plant. Harmless flexible spines..... **35c**
- Notocactus caespitosus*. Similar. Very rare..... **35c**
- Notocactus concinnus*. Rare. Yellow flowered. **35c**
- Notocactus Graessneri*. Yellow Ball. Bright yellow spines. Large specimens 2"..... **75c**
- Smaller **50c** and..... **35c**
- Notocactus Grosseii*. Large growing. Rare. Large..... **75c**
- Notocactus Hasselbergii*. White. Rare. Flowering..... **\$1.50**
- Notocactus Leninghausii*. Golden yellow. **50c** and..... **35c**
- Notocactus Linckii*. Rare. **50c** and..... **35c**
- Notocactus mammulosus*. Yellow flowered. **75c** and..... **35c**
- Notocactus muricatus*. Rare. Large flowered **50c**
- Notocactus Ottonis*. Indian Head. Fine yellow flowers. Free Flowering. Plant small bright **50c** and..... **35c**
- Notocactus rutilans*. Bright pink flowers. Plant small, Charming. Flowering..... **75c**
- Notocactus Schumannianus*. Giant Ball. Handsome, large flowering Nice specimens..... **\$1.25**
- Smaller, **75c**..... **50c**
- Notocactus submammulosus*. Yellow flowered. Flowering specimens..... **\$1.25**
- Smaller, **75c** and..... **35c**
- Notocactus tabularis*. Very large flowers fine. **50c-35c**



VIOLET SEA URCHIN

A lovely flowered small cactus blooming profusely in early summer. The blossoms of *Acanthocalycium violaceum* are particularly bright and shining. Flowers when small. Seldom reaches more than 3" in diameter, grows easily in sun or part shade. Specimens \$1. Flowering 50c. Small..... **35c**



PINK EASTER LILY CACTUS

A freely flowering quick growing plant winter hardy in Canada when well protected by snow. *Echinopsis multiplex* bears 6" lovely pink easter lily-like fragrant trumpets. Will flower several times during summer. Sun or part shade generous culture. Flowering specimens **75c**. Smaller **50c** and..... **35c**

WHITE EASTER LILY CACTUS

Echinopsis turbinata has trumpet-shaped white blossoms. Spines very short. Each..... **35c**



SILVER BALL

An elegant small cactus well pictured above. *Notocactus scopia* is a native of Brazil with silvery, short spines. Every collection should have this colorful plant. Flowers lemon yellow each plant bearing 6 to 12 of the brown furry buds appearing in a ring about the crown in May. Easily grown **35c**

PINE CONE CACTUS

Encephalocarpus strobiliformis. A rare Mexican cactus. Collectors item. Mature, imported plants \$2

REBUTIA

Lovely flowering small plants of the easiest culture, perfect for the small collection. They enjoy a light window but not direct sun at midday. Give moderate to generous treatment, a porous soil and occasionally cactus food.

Rebutia minuscula. Red Crown See page 16. *R. Krainziana*. Distinct. Rare. **75c**. *R. Kupperiana*. Crimson. **35c**. *R. pseudodeminuta*. Dark red. **35c**. *R. senilis*. Scarlet **35c**. Specimen **75c**. *R. spegazziniana*. Crimson. **50c**. *R. violaciflora*. A handsome flower brilliant pink. Flowers profusely. Blooming **35c** and **50c**.

PARODIA

Exquisite small plants with lovely flowers and very easily grown in any well lighted window. Will stand more sun than *Rebutia*. See page 20 for illustration, "Tom Thumb."

Parodia aureispina. Tom Thumb. Golden spines and flowers. Large **\$1.50**. Smaller flowering **50c** and **35c**. *Parodia chrysacanthion*. Bright yellow spines. **50c**. *Parodia mutabilis*. With reddish hooked central spine. Specimen **\$1**. Flowering **50c** and **35c**. *Parodia sanguiniflora*. Large brilliant ruby-red blossoms. Beautiful! Specimens **\$1.50**. Smaller flowering..... **50c**

GYMNOCALYCIUM

The Chin Cacti are free flowering, small, biscuit size plants with quite large red, white or yellow blossoms. Easy to grow and flower. Choice.

Gymnocalycium Anisitsii. White flowers. Specimens **\$1**. *Gymno. Andrae*. Yellow **50c**. *G. Bodenbenderianum*. Pink and white. Specimen **\$1**, Small **35c**. *G. Bruchii*. See page 14. *G. Damsii*. Page 15. *G. Friederickii*. Page 16. *G. gibbosum*. White **\$1**, small **35c**. *G. Leeannum*. Yellow **75c** and **35c**. *G. leptanthum*. Huge warm pink flowers **\$1**, flowering **50c** and **35c**. *G. Monvillei*. 8 yr. old specimens **\$1**. *G. multiflorum*. **\$1** to **50c** and **35c**. *G. occultum*. Pale pink **75c** and **35c**. *G. Ourseleanum*. Pink or white **\$1**, small **35c**. *G. Quelhianum*. Dwarf Chin. White **50c** and **35c**. *G. Saglione* **75c-35c**. *G. Schickendanzii* **\$1**, small **35c**. *G. Venturianum*. Bright red! Flowering **50c**.

MEXICAN JEWEL COLLECTION No. A7.

These four pretty and easily grown Pincushions may be planted in individual 2 or 3 inch pots or may all be planted together in a small ornamental dish 4 to 5 inches in diameter for a Dish Garden. They all do well in any well lighted window with moderate watering. The set in nice plants..... **90c**

POWDER PUFF (*Mamillaria bocasana*)

Like a bursting cotton ball, this little plant is clothed with silky, snow-white hair instead of spines, though it bears one tiny hooked one on each slender nipple. Cream colored flowers followed shortly by very attractive bright red, long, curved seed pods. A jewel among cacti. Very easy to grow in a well lighted window. Sun or partial shade moderate watering. Flowering and seeding specimens large c **\$1**. Smaller clusters **75c**. Nice flowering..... **35c**

LADY FINGERS

Mamillaria elongata Schmollii

A dainty gem and so easy to grow. Each little plant is a bright mosaic of golden yellow harmless spines. Quickly forms fine clusters. Large clusters **50c**. Smaller **35c** and..... **25c**

THIMBLE CACTUS

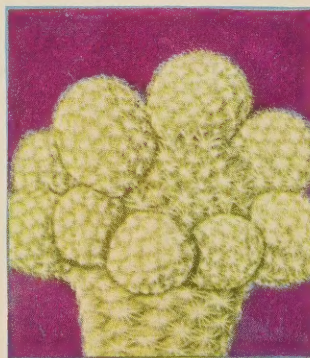
Mamillaria fragilis

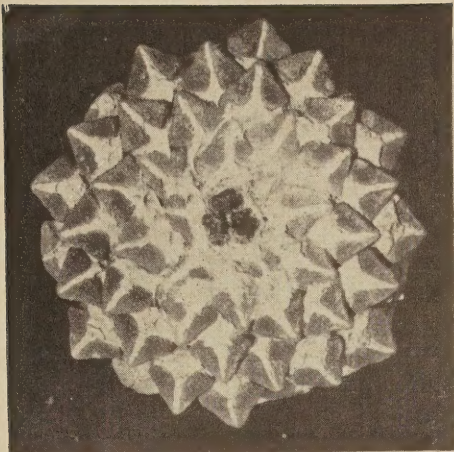
Like the "old woman who lived in a shoe," this little cactus has more children than she knows what to do with. Pure white, harmless spines and every little baby will quickly grow. Each..... **25c**

RUBY DUMPLING

Mamillaria tetraacantha

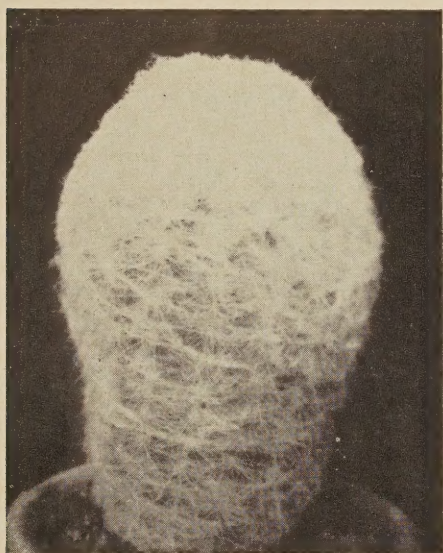
A quick growing cactus with bright red flowers and, with maturity, a hoary white head. A long time favorite. Large specimens **\$1**. Smaller flowering **50c**. 1"..... **25c**





ARIOCARPUS KOTSCHOUBEYANUS

A remarkable Mexican cactus 1½" to 2" in diameter the flat top of many triangular tubercles each grooved and filled with short wool. The flowers are lovely violet-rose and arise near the center. Grows well in sand with some leafmold. Like a sunny location and moderate watering. **\$1.25**
Mature flowering



SNOWBALL CACTUS

A choice Peruvian cactus, *Pseudoespostoa melano-stele*, grows in the dry valleys of the Andes. I have recently collected several new species of these scarce and handsome plants. Snowy white and covered with soft cottony hair. A real prize. Quite sandy soil, very moderate watering, sun. Fine 5 year old specimens 2'-3" \$1. Smaller 50c and..... **35c**

STAR CACTUS

Every collection should have the handsome *Astrophytum ornatum*. An old favorite o feasy culture. It is beautifully dotted with a myriad snowflakes. Even the tiniest plants are perfect miniatures. Bears large, lemon yellow flowers. Grows freely in sun or part shade. 1½"-2" 50c Smaller..... **35c**



ECHINOCACTUS

Barrel Cacti are features of our South-west and Mexican deserts. Some grow to great size. Easily grown and quite pretty.

Echinocactus ingens. Toothpick Cactus. Handsome blue body. Grows slowly to very great size..... **35c**

Golden Barrel. *E. Grusonii.* Splendid. Page 20.

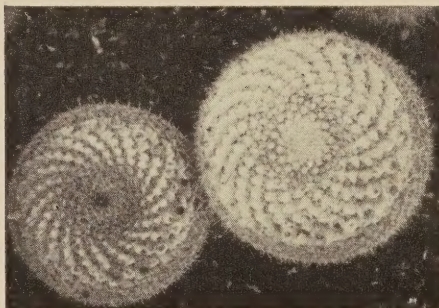


ANGEL WINGS

A dainty little plant that has no stickers. The miniature pads of *Opuntia microdasys albata* are dotted with areoles bearing fine, white, harmless glochids. Branches freely and remains dwarf, the pure white cushions showing brightly against the green stems. Very easy to grow. Nice branched plants **30c**

CINNAMON CACTUS

Cinnamon-red glochids. A pretty plant like Angel Wings but the pads should not be touched as the glochids stick. *Opuntia rufescens*..... **25c**

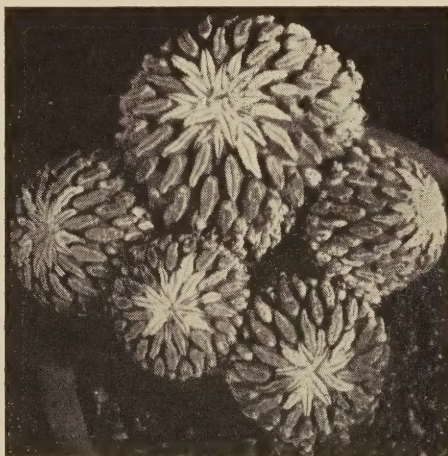


DIADEM CACTUS

Don't fail to have this lovely flowering cactus. The bright red flowers are a beautiful crown nestling amongst the white wool and dark spines. *Mamillaria Werdermanniana* flowers in mid-winter and always attracts attention among our visitors. Flowering size 50c. Nice..... **35c**

MAMILLARIA DEALBATA

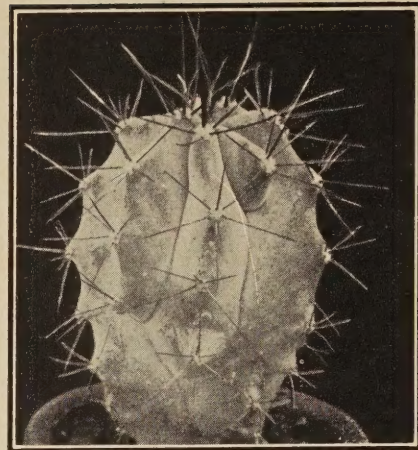
A charming, short spined white species, cluster forming with bright scarlet berries. Nice 50c and 35c



PELECYPHORA ASELLIFORMIS

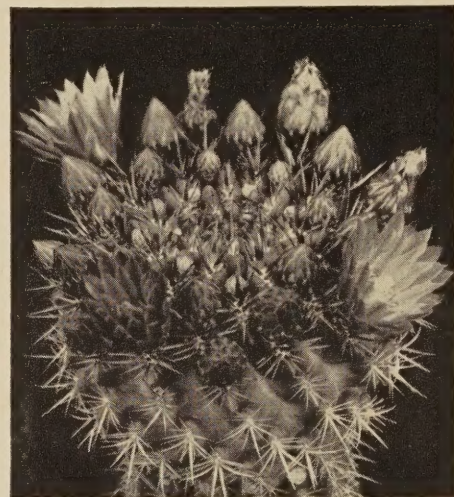
Extremely rare in cultivation. The plants are related to *Mamillaria*. 1" to 1½" in diameter bearing large bright purple-pink, apical blossoms. These Mexican plants are real oddities. A sunny window and very sandy soil or just sand and leaf mold. Mature flowering..... **\$1.25**

Pelecyphora Valdeziana. A rare species white spined and smaller than the above. Mature..... **\$1.50**



POWDER BLUE CEREUS

Lemaireocereus pruinosus is handsome as a small plant. Covered with a powdery blue bloom and bearing short, brown-black spines on the ribs. A fine plant for the beginner. Grows easily and makes a most effective specimen. Colors brightest in full sun but grows well in any well lighted window Nice bright plants..... **35c**



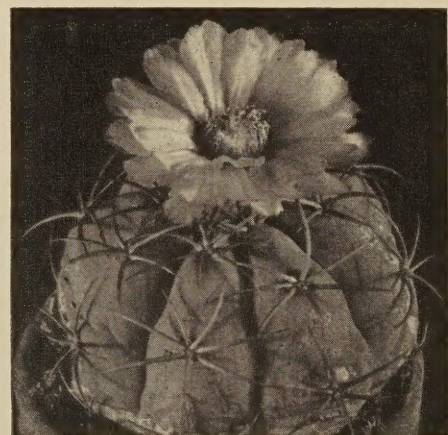
FLAME CACTUS

Pyrrhocactus tuberisulcatus is an uncommon Chilean plant bearing a circlet of red-yellow blossoms in late spring. It may produce an extraordinary number of them. The low ribs are tubercled the areoles bearing stout, straight spines. Forms nice specimens. A very sandy soil with feedings of cactus food. Flowering specimens 2' \$1 ea. Smaller flowering..... **50c**

Pyrrhocactus curvispinus. Spines slender tipped black. Flowers reddish-yellow. Rare..... **\$1**

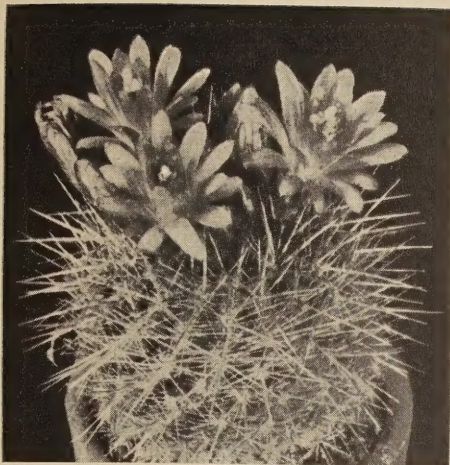
SOLISIA

Solisia pectinata. Small white plant related to *Mamillaria*. Mature imports..... **\$1.50**



EAGLE CLAWS

An old favorite bearing handsome frilled pink blossoms in summer. *Echinocactus horizontalis* has a wooly crown, few low rounded ribs and recurved, stout pink or red spines with pale silver grey or blue body. Full sun, sandy soil, little water. Large specimens 75c to \$1. Smaller flowering..... **50c**



NEOPORTERIA SUBGIBBOSA

Handsome flowered small Chilean plants with bright clear pink blossoms which are borne from February until late May. The plants are globular to cylindric, strongly ribbed the areoles with many short, stout spines. A free bloomer. Very easy to grow in any well lighted window. Stands at least 12" of frost. Large specimens \$1. Each. **50c**

FANCIER'S COLLECTION

Collection No. A9



16 Fine plants to start your window garden. All first quality plants. Contains only tested plants such as I would want in my own garden. Nice sizes, correctly Labeled **\$3**

DE LUXE GARDEN

Collection No. A10

28 Choice plants correctly labeled. A fine selection of the beautiful and odd. Living Rocks, Old Man, Pincushion, Echeverias, Barrel Cacti, Parodias, etc. **\$5**

FANCIER'S ASSORTMENT

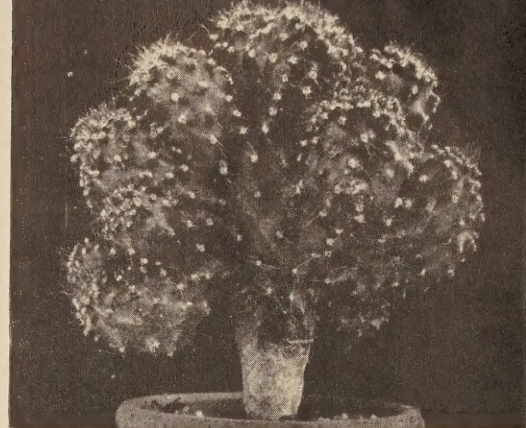
Collection No. A11

60 Choice and rare plants for the collector of the odd and beautiful. Stone Faces and other rare South African succulents with South American Lobvias, Cereus, Notocactus, etc., plus Mexican Mamillarias, Ferocactus, Cereus, etc. Labeled **\$10**

CENTURY ASSORTMENT

Collection No. A99

100 Different Cacti. No succulents. A collector's group. Includes many rare items. A gift any collector would prize above all else. Labeled **\$25**



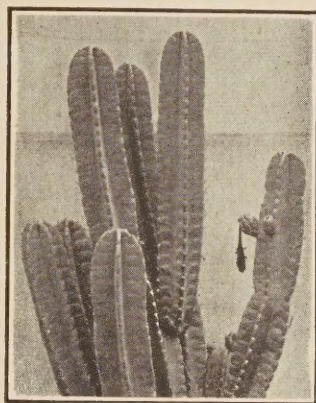
CURIOSITY PLANT

These novel and attractive cacti never lose their odd contorted growth. They are always pretty with their bright chestnut spines and living green stems. Cereus peruvianus monstrosus may, with age, reach 10' in height. In pots it remains dwarf. Our plants are seedlings and thus have a short trunk but are uniformly very monstrous. Fine specimens 75c. **35c**
Cereus hybridus monstrosus. A taller growing group with a more pronounced central stem but quite monstrous. 6'-8" \$1. Smaller 75c and **40c**



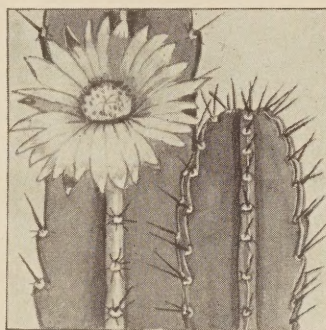
WOOLY TORCH CACTUS

A handsome Old Man that at flowering size produces masses of white woolly hair. The stems of Cephalocereus Palmeri become a beautiful powdered blue-white with age. The handsome pink blossoms are nocturnal. Woolly, rooted cuttings 7"-8" \$2. 5"-6" seedlings 50c. **35c**
Smaller



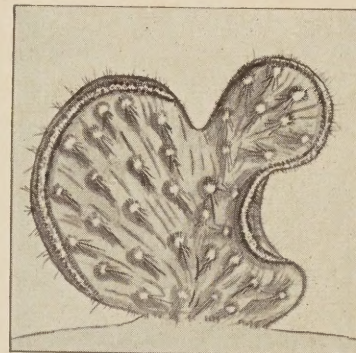
FLOWERING TREE CEREUS

The tree-like Cereus gonianthus bears many large white 5" blossoms with reddish sepals and large, red, apple-like fruits. The crisp, sweet crystalline pulp is very pleasant. The fruits are smooth and spineless. Quick growing, vigorous, of easy culture. Good loam soil. In winter they may be stored in basement or attic. 7"-8" 50c. Smaller **35c**



CEREUS MILESSIMUS

A fine, very spiny tree cactus with snowy blossoms. Delicious red fruits 2" in diameter. Quick growing pot plants enjoying a rich loam soil and a sunny window. Mature cuttings \$2.50 per foot postpaid. 5"-7" 50c. **35c**
Smaller



CRESTED OPUNTIA

Crested forms of cacti are among the most interesting and unique of all with their odd convoluted stems. Opuntia serpentina cristata never loses its cockscomb growth. Nice crests 50c and **35c**

FEROCACTUS

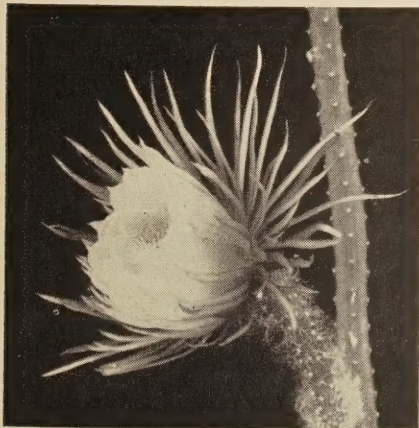
Ferocactus alamosanus, 60c and 35c. F. coloratus, Handsome Lower Calif. species, 50c. F. glaucescens, Blue Barrel, Lovely, 50c and 35c. F. Herrerae, Giant, 40c. F. latispinus, Red spined, 25c. F. melocactiformis, 35c. F. Pringlei, 35c. F. robustus, Cluster type, 75c. F. viridescens, Pretty, 50c and 35c. F. viscaenensis, Bright red spines, 35c. F. Wislizeni, 35c.

ECHINOCEREUS

Brilliant flowered, small cluster forming cacti from western U. S. and from Mexico. Echinocereus amoenus. Rare. Flowering, \$1. E. Knippelianus, Rare, 75c. E. maritimus, 35c. E. Merkii, Purple, 50c. E. octacanthus, Red, 50c. E. pectinatus castaneus, Rainbow colored, 50c. E. dasyacanthus, Yellow, 50c. E. papillosus, Yellow, 40c. E. pulchellus, Rare, \$1. E. Salm-Dyckianus, Red, 50c. E. sarriophorus, Purple, 50c. E. Scheerli, Purple, 50c. E. stramineus, Purple, 35c. E. triglochidiatus, Stands much cold, Red, 35c.

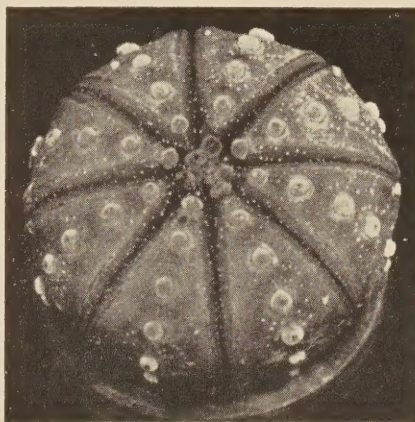
OLD LADY CACTUS

Mamillaria Hahniana is always a show specimen. The hair increases in length and abundance with age. Easily grown in any sunny window. Christmas flowering. Large specimens 3'-3 1/2" \$1. **50c**
Nice 1 1/2" each.



PRINCESS OF THE NIGHT

A glorious white and gold blossom 10" across. The best of the night flowering cerei for the window garden. Selenicereus pteranthus can be readily flowered. Sandy loam and leafmold with generous summer waterings. Harden growth in late summer with sunlight and less water. Flowered plants \$1.50 **40c**
4" to 6"



SAND DOLLAR

Astrophytum asterias is one of the oddest cacti, entirely spineless and freely bearing large yellow blossoms. Very scarce even in the wilds where it grows scattered thinly on the desert mesas. Pot in sand and leafmold watering lightly when dry. A light window with some sun. Flowers from May to October. Large specimens 90c. Smaller flowering 1 1/2"-2" **65c**

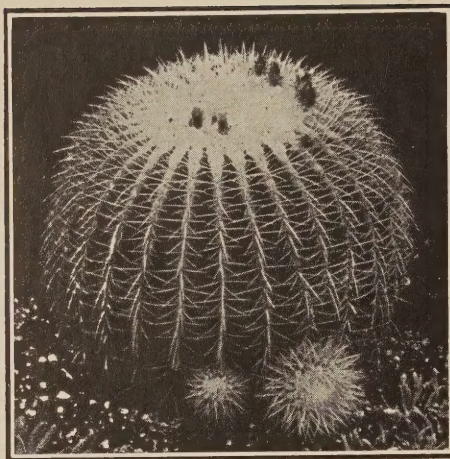




QUEEN OF THE NIGHT

An old favorite whose blossoms are so astoundingly large and ethereally beautiful your friends will be entranced when they see it! *Selenicereus Macdonaldiae* is of the easiest culture. Give it a very sandy soil or preferably 2 parts sand, 1 part leafmold and small feedings of cactus food during the summer growing season. A well lighted window or better put out in summer in partial shade bringing in before frost which will assure fat, well matured stems for next season's flowers. Stems may be curved around stakes or pot trellis. Use a 4" pot at first, later transferring to a 5" or 6" pot. Water freely whenever dry, each

40c



GOLDEN BARREL

Bright golden globes. Small plants bear nipples; ridges appearing later. Every collection should have the beautiful *Echinocactus Grusonii*. Very sandy soil watering when dry. 50c.

75c



INDIAN HEAD

A very pretty, free flowering plant, *Notocactus Ottonis* should be in every beginner's collection. Flowers in several crops over a long period, grows easily. Plants small up to 2 1/2". Buds first appear as cocoa-colored twists of wool. Spines harmless, flexible. Flowers are very bright and attractive the petals shining yellow opening widely in the sunlight. Porous soil, moderate watering, sun or part shade. Specimens 50c to 75c.

35c



TOM THUMB

Parodia aureispina is one of our choicest plants. See Parodia page 17. A jewel with lovely golden flowers and spines. Very easily flowered. Tiny plants flower. Fast grower. Full sun or part shade. Specimens 6 years \$1.50. Smaller 75c and \$1.

35c

Crimson Parodia. Similar but with brilliant ruby red blossoms! Lovely. Specimens \$2. Smaller \$1. Flowering 75c and.....50c

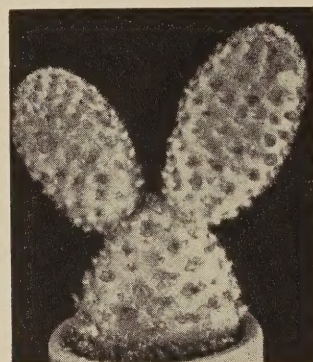


PEANUT CACTUS

Chamaecereus Sylvestrii rapidly forms nice clusters. Branches freely. Sun or shade. A very satisfactory plant under almost any conditions. Lovely red flowers. An old favorite.

35c

25c and.....



BUNNY EARS

An old favorite with golden yellow glochids and oblong flat pads. Handle with care. Grows very easily. Nice.....

25c

MEXICAN LIVING ROCK

A very curious cactus, flat topped with furrowed, leathery tubercles each with a groove filled with brown wool. The lovely, brilliant pink blossoms appear at the woolly apex in September. It grows well in clean sand to which a small amount of leafmold has been added. A sunny window, watering only when quite dry.

50c

CEREUS HYBRIDUS MONSTROUS

A strange and monstrous cactus. Never lose their odd appearance. Very easy to grow. 75c and.....

40c

PAPER SPINED OPUNTIA

White paper ribands for spines! *Tephrocactus glomeratus* likes sandy soil and sun. Nice plants.....

35c

